# EXHIBIT 2

Case: 1:17-md-02804-DAP Doc #: 3013-3 Filed: 12/18/19 2 of 108. PageID #: 445181 CONFIDENTIAL

## IN THE UNITED STATES DISTRICT COURT FOR THE NORTHERN DISTRICT OF OHIO EASTERN DIVISION

IN RE NATIONAL PRESCRIPTION
OPIATE LITIGATION

: MDL No. 2804

: CASE NO. 17-MD-2804 (DAP)

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SUPPLEMENTAL EXPERT REPORT OF CRAIG J. MCCANN, PH.D., CFA April 3, 2019

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#### I. Qualifications and Remuneration

1. On March 25, 2019, I filed an Expert Report (the "McCann Report") in this matter. My Qualifications and Remuneration are contained in the McCann Report §1 and are unchanged.

#### II. Materials Reviewed

2. The list of Materials Reviewed in preparing the McCann Report are contained in the McCann Report §2 and are unchanged.

## III. Assignment

- The McCann Report contained 24 Figures and 46 Tables in the body and 3,800 pages of additional Figures and Tables and hundreds of thousands of lines of data in Appendices.
- 4. I have been asked to file this report "McCann Supplemental Expert Report" to supplement the body of the McCann Report with five (5) Tables which present data used in the Figures and Tables in the McCann Report in a slightly different format and which summarize electronic data attached to the McCann Report. I was also asked to supplement the McCann Report Appendicies with 90 pages of additional Figures and Tables which I understand may have been used in depositions.
- 5. These supplemental Figures and Tables were overlooked in the preparation of the McCann Report, are entirely consistent with the McCann Report and do not in any way alter the conclusions I reached therein.

## IV. Supplemental Tables in the Body of the McCann Report

- 6. The following paragraph and Table A should be read as if inserted after Table 25 on page 60 of the McCann Report.
- 7. Table A reports Total MME and % of Total MME in transactions flagged in Cuyahoga and Summit Counties using the Trailing Six-Month Maximum Threshold summarized in Table 24 and Table 25.

Table A Trailing Six-Month Maximum Threshold Flagged Transactions, Cuyahoga and Summit Counties, Total MME and % MME

	Defendants'		
Year	Total MME	Flagged MME	%
1996	9,833,620	897,879	9.1%
1997	11,930,647	4,936,834	41.4%
1998	22,197,613	12,500,701	56.3%
1999	32,120,936	18,114,384	56.4%
2000	65,610,099	34,001,101	51.8%
2001	106,891,432	57,974,189	54.2%
2002	165,726,738	84,567,641	51.0%
2003	252,658,951	146,408,558	57.9%
2004	375,729,239	210,931,022	56.1%
2005	638,778,527	364,995,688	57.1%
2006	702,392,875	452,397,437	64.4%
2007	795,251,108	585,200,194	73.6%
2008	817,058,361	622,487,511	76.2%
2009	890,214,272	644,447,207	72.4%
2010	971,518,434	727,034,786	74.8%
2011	988,761,282	774,501,309	78.3%
2012	921,579,337	732,762,124	79.5%
2013	842,813,640	586,989,205	69.6%
2014	745,565,188	569,170,302	76.3%
2015	666,779,100	552,489,339	82.9%
2016	585,111,178	471,441,821	80.6%
2017	473,885,247	385,450,058	81.3%
2018	153,185,178	115,542,352	75.4%
Total	11,235,593,000	8,155,241,640	72.6%

- 8. The following paragraph and Table B should be read as if inserted after Table 27 on page 64 of the McCann Report.
- Table B reports Total MME and % of Total MME in transactions flagged in Cuyahoga and Summit Counties by the Twice Trailing Twelve-Month Average Pharmacy Dosage Units Threshold summarized in Table 26 and Table 27.

Table B Twice Trailing Twelve-Month Average Pharmacy Dosage Units Flagged Transactions, Cuyahoga and Summit Counties, Total MME and % MME

	Defendants'		
Year	Total MME	Flagged MME	0/0
1996	9,833,620	0	0.0%
1997	11,930,647	6,503,756	54.5%
1998	22,197,613	13,067,476	58.9%
1999	32,120,936	18,474,365	57.5%
2000	65,610,099	39,488,361	60.2%
2001	106,891,432	66,029,018	61.8%
2002	165,726,738	89,640,321	54.1%
2003	252,658,951	122,766,310	48.6%
2004	375,729,239	191,004,125	50.8%
2005	638,778,527	362,396,167	56.7%
2006	702,392,875	443,445,726	63.1% a
2007	795,251,108	535,363,660	67.3%
2008	817,058,361	555,107,322	67.9%
2009	890,214,272	611,717,079	68.7%
2010	971,518,434	660,243,772	68.0%
2011	988,761,282	681,914,508	69.0%
2012	921,579,337	639,142,592	69.4%
2013	842,813,640	526,048,319	62.4%
2014	745,565,188	472,719,701	63.4%
2015	666,779,100	446,726,052	67.0%
2016	585,111,178	384,527,111	65.7%
2017	473,885,247	311,598,356	65.8%
2018	153,185,178	104,859,312	68.5%
Total	11,235,593,000	7,282,783,410	64.8%

- 10. The following paragraph and Table C should be read as if inserted after Table 29 on page 68 of the McCann Report.
- 11. Table C reports Total MME and % of Total MME in transactions flagged in Cuyahoga and Summit Counties by the Three Times Trailing Twelve-Month Average Pharmacy Dosage Units Threshold summarized in Table 28 and Table 29.

Table C Three Times Trailing Twelve-Month Average Pharmacy Dosage Units Flagged Transactions, Cuyahoga and Summit Counties, Total MME and % MME

	Defendants'		
Year	Total MME	Flagged MME	0/0
1996	3 3 3 3 3 1 2 3	Da	14.7.00
2332	9,833,620	0	0.0%
1997	11,930,647	5,624,782	47.1%
1998	22,197,613	10,104,466	45.5%
1999	32,120,936	11,042,269	34.4%
2000	65,610,099	21,453,887	32.7%
2001	106,891,432	45,752,131	42.8%
2002	165,726,738	63,585,103	38.4%
2003	252,658,951	77,795,353	30.8%
2004	375,729,239	119,437,340	31.8%
2005	638,778,527	240,177,165	37.6%
2006	702,392,875	285,666,870	40.7%
2007	795,251,108	345,901,638	43.5%
2008	817,058,361	362,265,662	44.3%
2009	890,214,272	394,920,159	44.4%
2010	971,518,434	436,191,409	44.9%
2011	988,761,282	448,460,808	45.4%
2012	921,579,337	428,574,162	46.5%
2013	842,813,640	375,768,987	44.6%
2014	745,565,188	310,252,149	41.6%
2015	666,779,100	286,039,190	42.9%
2016	585,111,178	238,069,737	40.7%
2017	473,885,247	187,912,413	39.7%
2018	153,185,178	64,234,300	41.9%
Total	11,235,593,000	4,759,229,982	42.4%

- 12. The following paragraph and Table D should be read as if inserted after Table 31 on page 72 of the McCann Report.
- 13. Table D reports Total MME and % of Total MME in transactions flagged in Cuyahoga and Summit Counties by the Maximum 8,000 Dosage Units Monthly Threshold summarized in Table 30 and Table 31.

Table D Maximum 8,000 Dosage Units Monthly Flagged Transactions, Cuyahoga and Summit Counties, Total MME and % MME

	Defendants'		
Year	Total MME	Flagged MME	9/0
1996	9,833,620	327,364	3.3%
1997	11,930,647	1,852,818	15.5%
1998	22,197,613	3,173,904	14.3%
1999	32,120,936	3,731,407	11.6%
2000	65,610,099	9,035,599	13.8%
2001	106,891,432	18,648,645	17.4%
2002	165,726,738	33,704,080	20.3%
2003	252,658,951	71,370,454	28.2%
2004	375,729,239	112,667,196	30.0%
2005	638,778,527	238,571,344	37.3%
2006	702,392,875	322,558,983	45.9%
2007	795,251,108	396,604,508	49.9%
2008	817,058,361	419,567,523	51.4%
2009	890,214,272	488,050,939	54.8%
2010	971,518,434	546,089,567	56.2%
2011	988,761,282	552,444,870	55.9%
2012	921,579,337	543,966,823	59.0%
2013	842,813,640	497,085,553	59.0%
2014	745,565,188	441,824,459	59.3%
2015	666,779,100	407,849,739	61.2%
2016	585,111,178	364,031,540	62.2%
2017	473,885,247	299,870,230	63.3%
2018	153,185,178	92,052,959	60.1%
Total	11,235,593,000	5,865,080,504	52,2%

- 14. The following paragraph and Table E should be read as if inserted after Table 33 on page 76 of the McCann Report.
- 15. Table E reports Total MME and % of Total MME in transactions flagged in Cuyahoga and Summit Counties by the Maximum Daily Dosage Units Threshold summarized in Table 32 and Table 33.

Table E Maximum Daily Dosage Units Flagged Transactions, Cuyahoga and Summit Counties, Total MME and % MME

	Defendants'		
Year	Total MME	Flagged MME	0/0
1996	9,833,620	3,113,857	31.7%
1997	11,930,647	4,663,214	39.1%
1998	22,197,613	7,681,876	34.6%
1999	32,120,936	11,113,527	34.6%
2000	65,610,099	27,573,725	42.0%
2001	106,891,432	46,396,976	43.4%
2002	165,726,738	83,079,525	50.1%
2003	252,658,951	143,970,815	57.0%
2004	375,729,239	215,607,097	57.4%
2005	638,778,527	389,713,156	61.0%
2006	702,392,875	466,724,668	66.4%
2007	795,251,108	551,595,399	69.4%
2008	817,058,361	581,992,791	71.2%
2009	890,214,272	649,412,896	73.0%
2010	971,518,434	700,176,371	72.1%
2011	988,761,282	699,972,949	70.8%
2012	921,579,337	689,763,345	74.8%
2013	842,813,640	631,753,374	75.0%
2014	745,565,188	565,100,827	75.8%
2015	666,779,100	525,349,765	78.8%
2016	585,111,178	465,169,456	79.5%
2017	473,885,247	383,042,521	80.8%
2018	153,185,178	121,310,372	79.2%
Total	11,235,593,000	7,964,278,501	70.9%

#### V. Figures and Tables Used in Depositions

16. I previously created Figures and Tables which were used in depositions. While they were not necessary for the conclusions I reached in the McCann Report, I attach them herewith and acknowledge them as my work product or have otherwise determined they are fair and accurate representations of what they purport to illustrate and that they are reliable.

### A. Cardinal Health

17. I was provided twenty three pages of Figures and Tables attached hereto as Appendix A which purport to provide information regarding the amounts of certain opioids shipped by Cardinal Health to customers located in various geographic areas.

#### B. Discount Drug Mart

18. I was provided two pages of Figures attached hereto as Appendix B which purport to illustrate the number of dosage units shipped by Discount Drug Mart to pharmacies BD2308155 and BD0995095.

## C. HBC/Giant Eagle

19. I was provided forty seven pages of Figures and Tables, which included seven Pharmacy Reports for Giant Eagle pharmacies #4031, #4124, #4029, #4030, #4036, #6376, and #5878 and eight additional Tables which purport to provide information regarding the amounts of certain opioids shipped either by HBC or other Distributors to Giant Eagle pharmacies located in various geographic areas. These Reports and Tables are attached in Appendix C.

#### D. McKesson

20. I was provided the two pages of Figures attached hereto as Appendix D which purport to illustrate the total dosage units of opioids shipped by McKesson to a) the United States; and b) to Ohio.

#### E. Walgreens

21. I was provided twelve pages of Figures and Tables that consisted of the three Pharmacy Reports for Walgreens pharmacies BW4673554, BW4147307, and BW6704185 attached hereto as Appendix E, which purport to provide historical information regarding shipments of opioids to those pharmacies.

#### VI. Flow of Opioids Figures

22. I created Figures illustrating the flow of oxycodone and hydrocodone through Distributors to Pharmacies in Cuyahoga County and Summit County. These Figures were inadvertently excluded from the McCann Report and are attached herewith as Appendix F. The major Labelers are arrayed on the left of each Figure, Distributors in the middle and Dispensers on the right. The Figures give market shares among Labelers to Distributors, among Distributors to Dispensers and among Dispensers.

#### VII. Conclusion

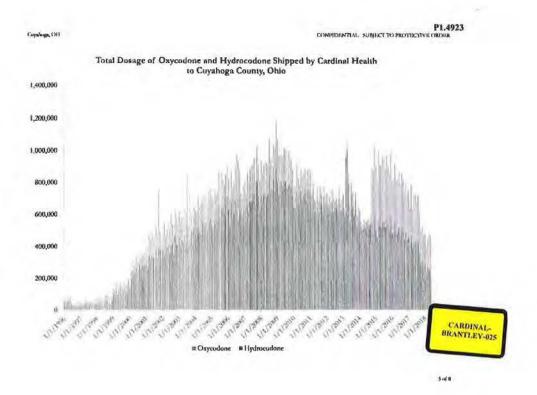
23. I file this brief supplement to report five (5) Tables which were inadvertently excluded from the body of the McCann Report and 90 pages of Figures and Tables which were inadvertently excluded from the Appendicies of the McCann Report filed last week.

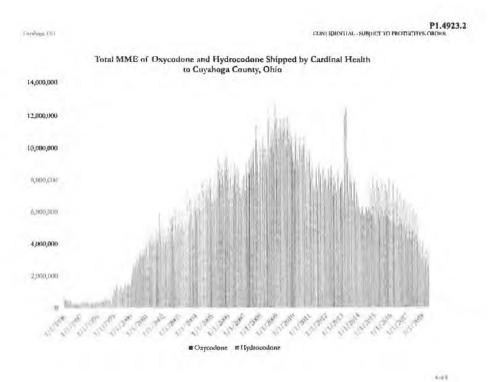
24. These supplemental Figures and Tables are entirely consistent with the Figures, Tables and data included in the McCann Report and do not in any way alter the conclusions I reached therein.

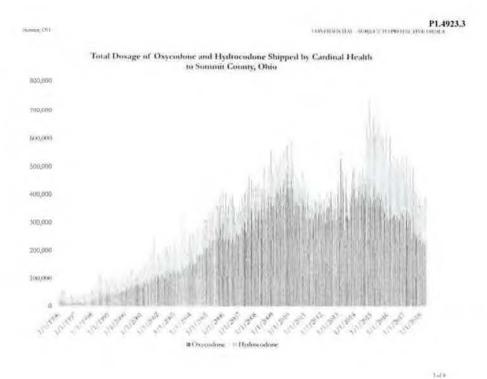
Craig J. McCann, Ph.D., CFA

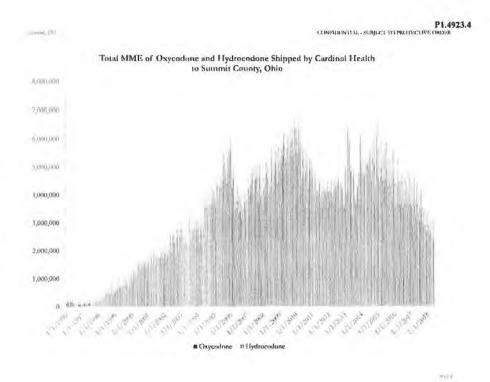
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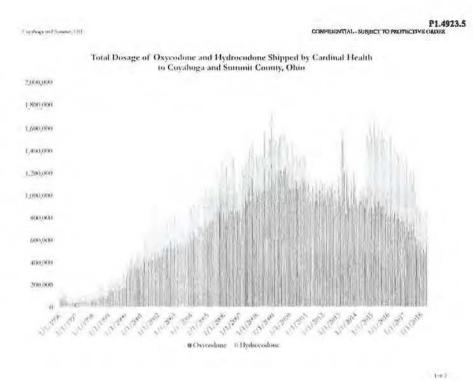
Appendix A Additional Cardinal Health Figures and Tables

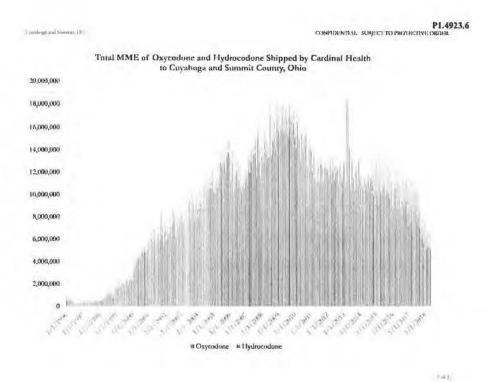


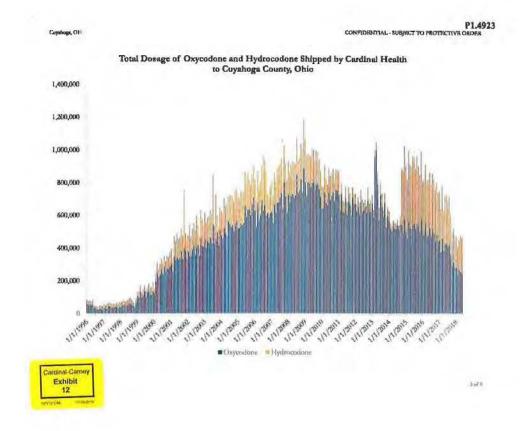


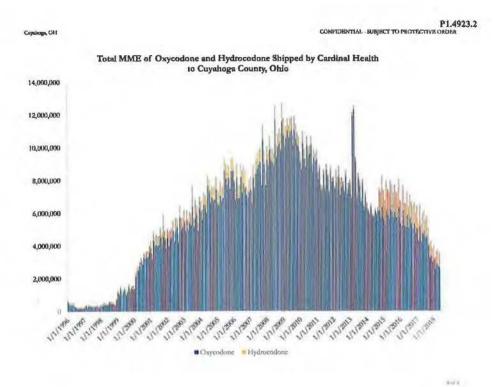


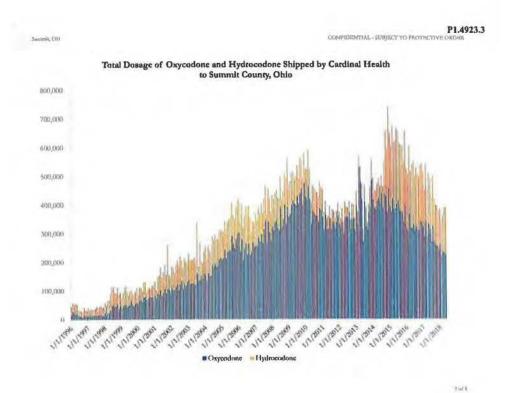


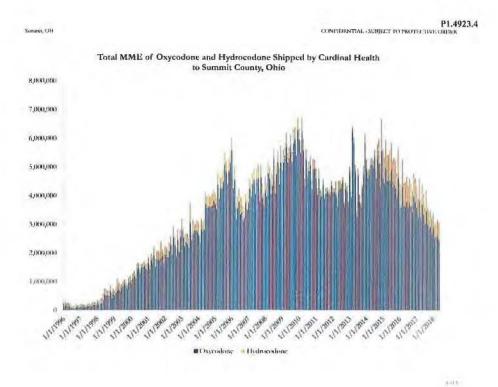


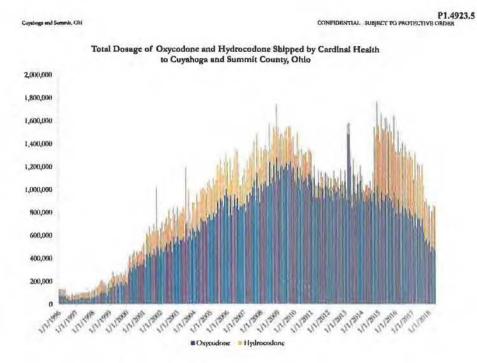




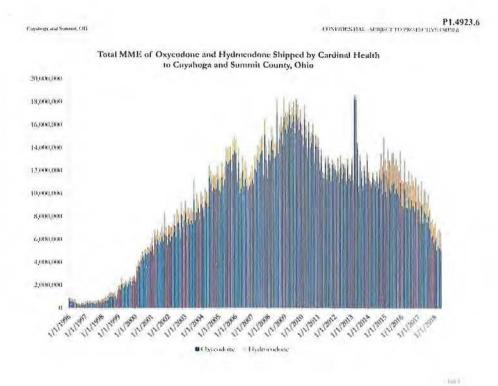








tietz:



		10	The series			and the second		P1.38
Cuyahoga	-		drugs				nd Hydrocode	
	Total Dosage	Percentage Change to 96-98 Base	Total MME	Percentage Change to 96-98 Base	Total Dosage	Change to 96-98 Base	Total MME	Percentage Change to 96-98 Base
1996	1,324,262		14,026,288		699,000		4,513,972	
1997	1,197,734	0.00%	14,140,846	0.00%	690,800	0.00%	4,339,740	0.00%
1998	1,407,045	17.48%	21,525,790	52.22%	929,065	34.49%	6,478,837	49.29%
1999	2,524,203	110.75%	54,710,820	286.90%	1,851,960	168.09%	16,466,244	279.43%
2000	4,624,464	286.10%	88,169,227	523.51%	3,652,535	428.74%	37,084,513	754.53%
2001	7,156,188	497.48%	123,140,781	770.82%	5,726,225	728.93%	55,992,733	1190.23%
2002	7,861,681	556,38%	143,085,125	911.86%	6,399,275	826.36%	64,161,021	1378.45%
2003	8,967,093	648.67%	169,364,208	1097,69%	7,458,525	979.69%	74,448,214	1615.50%
2004	9,825,147	720,31%	200,427,625	1317,37%	8,324,465	1105.05%	88,903,761	1948.60%
2008	11,217,120	836.53%	227,686,515	1510,13%	9,540,355	1281.06%	100,600,901	2218.13%
2006	11,448,866	855,88%	214,440,576	1416.46%	9,853,320	1326.36%	98,839,846	2177.55%
2007	12,040,401	905.27%	230,174,953	1527.73%	10,413,440	1407.45%	109,561,626	2424.61%
2008	13,337,200	1013.54%	248,869,265	1659.93%	11,654,660	1587.13%	128,227,943	2854.74%
2009	13,452,161	1023.13%	256,544,754	1714.21%	11,705,460	1594.48%	136,655,078	3048.92%
2016	11,608,160	869,18%	203,382,279	1338.26%	10,123,420	1365.32%	119,258,913	2648.07%
2011	10,440,502	771,69%	192,021,424	1257.92%	8,887,980	1186.62%	100,646,424	2219.18%
2012	9,688,842	708.93%	168,868,587	1094.19%	8,417,670	1118,54%	97,024,620	2135.72%
2013	10,141,342	746.71%	163,632,354	1057.16%	9,059,390	1211.43%	101,624,197	2241.71%
2014	8,801,593	634.85%	123,799,973	775.48%	7,880,400	1040.76%	78,855,423	1717.05%
2015	11,984,124	900.57%	131,502,244	829.95%	11,056,430	1500.53%	90,093,976	1976.02%
2016	10,631,391	787.63%	115,438,904	716.35%	9,824,670	1322.22%	80,990,152	1766.24%
2017	8,450,871	605.57%	92,486,246	554.04%	7,750,100	1021.90%	64,571,978	1387,92%
1997 Base	1,197,734		14,140,846		690,800		4,339,740	



Summit		12	drugs		Оху	codone and	d Hydrocodon	e
2314	Total Dosage	Percentage Change	Total MME	Percentage Change	Total Dosage	Percentage Change	Total MME	Percentage Change
1996	698,244		9,110,121		490,610	le mires	2,416,978	2333
1997	657,366	11.00%	7,852,707	0.00%	481,650	0.00%	2,726,445	0,00%
1998	1,307,661	98 92%	15,538,089	97,87%	1,036,600	115.22%	7,082,814	159,78%
1999	1,392,834	111/88%	24,945,738	217.67%	1,157,225	140,26%	11,511,604	322,23%
2000	1,575,698	1.39.70%	34,039,337	333,47%	1,323,925	174.87%	17,703,244	549.32%
2001	2,296,868	249.41%	49,139,787	525,77%	1,932,200	301.16%	23,733,356	770,49%
2002	2,760,599	319.95%	60,386,148	668,99%	2,316,100	380.87%	24,239,699	972.45%
2003	3,146,985	378.73%	70,609,145	799.17%	2,694,100	459.35%	35,070,460	1186.11%
2004	3,807,633	479.23%	86,328,685	999.35%	3,242,890	571.29%	43,291,655	1487.85%
2005	5,020,199	663.68%	114,408,582	1356,93%	4,232,895	778.83%	57,610,682	2013.04%
2006	5,226,158	695,01%	109,371,098	1292.78%	4,350,665	803.28%	50,386,121	1748.05%
2007	5,782,643	779.67%	120,242,839	1431.23%	4,763,240	888,94%	55,106,392	1021,18%
2008	6,847,756	941.70%	142,721,946	1717.49%	5,510,800	1044 15%	59,987,326	2100.20%
2009	7,745,634	1078.28%	166,199,654	2016.46%	6,184,170	1 (83.96%	70,999,797	2504.12%
2010	6,944,264	956.58%	141,820,531	1706.01%	5,751,560	1094.14%	65,909,819	2317,43%
2011	5,483,081	734.10%	109,779,381	1297,98%	4,586,290	852.20%	52,486,503	1825.09%
2012	5,369,145	716:77%	99,079,906	1161.73%	4,556,080	845.93%	51,407,545	1785.529
2013	6,098,806	827 76%	102,520,501	1205.54%	5,331,160	1006.85%	58,439,091	2043.42%
2014	7,186,190	993.18%	108,701,810	1284.26%	6,336,670	1215.62%	65,148,349	2289.50%
2015	8,317,755	1165_32%	100,333,414	1177,69%	7,540,120	1465.48%	65,573,096	2305 08%
2016	6,975,089	961 117%	78,172,458	895 48%	6,379,490	1224.51%	54,716,389	1906.88%
2017	5,969,754	808 13%	67,835,461	763.85%	5,471,550	1036.00%	46,787,498	1616.06%
1997 Base	657,366		7,852,707		481,650		2,726,445	

									P1.3800.3
2 Countie	9		12	drugs		Oxy	codone an	d Hydrocodon	e
	nne	Total Dosage	Percentage Change	Total MME	Percentage Change	Total Dosage	Percentage Change	Total MME	Percentage Change
	996	2,022,506	() deposit	23,136,409	on money	1,189,610	A control	6,930,950	N make
	797	1,855,100	0.00%	21,993,553	0.00%	1,172,450	0.00%	7,066,185	0.00%
	998	2,714,706	46,34%	37,063,880	68.52%	1,965,665	67.65%	13,561,652	91.92%
	999	3,917,037	111.15%	79,656,558	262.18%	3,009,185	156.66%	27,978,048	295,94%
	000	6,200,162	234,22%	122,208,563	455.66%	4,976,460	324.45%	54,787,757	675 35%
	1991	9,453,076	409.57%	172,280,568	683.32%	7,658,425	553.20%	79,726,088	1028.28%
	602	10,622,280	472.60%	203,471,273	825.14%	8,715,375	643.35%	93,400,721	1221.80%
2	003	12,114,078	553.01%	239,973,352	991 11%	10,152,625	765.93%	109,518,674	1449.90%
2	004	13,632,780	634.88%	286,756,310	1203.82%	11,567,355	886.60%	132,195,617	1770.82%
2	005	16,237,319	775 28%	342,095,097	1455 43%	(3,773,250	1074.74%	158,211,783	2139.00%
2	006	16,675,024	798.87%	323,811,674	1372.30%	14,203,985	1111.48%	149,225,967	2011.83%
2	007	17,823,044	860.76%	350,417,793	1493.28%	15,176,680	194,44%	164,668,017	2230.37%
2	800	20,184,956	988.08%	391,591,211	1680.48%	17,165,460	1364.07%	188,215,269	2563.61%
2	009	21,197,795	1042.68%	422,744,409	1822 13%	17,889,630	1425.83%	207,654,875	2838.71%
2	2010	18,552,424	900.08%	345,202,810	1469 56%	15,873,980	1253,92%	185,168,732	2520.49%
- 2	2011	15,923,583	758.37%	301,800,805	1272 22%	13,474,270	1049.24%	153,132,928	2067 12%
2	012	15,857,987	711,71%	267,948,493	1118.30%	12,973,750	1006.55%	148,432,165	2000.60%
2	013	16,240,148	775.43%	266,152,855	1110.14%	14,390,550	1127.39%	160,063,288	2165.20%
2	014	15,987,783	761 83%	232,501,784	957.14%	14,217,070	1112.59%	144,003,773	1937,93%
2	015	20,301,879	994.38%	231,835,657	954.11%	18,596,550	1486.13%	155,667,071	2102.99%
2	016	17,606,480	849.09%	193,611,362	780.31%	16,204,160	1282,08%	135,706,540	1820.51%
-2	017	14,420,625	677.35%	160,321,706	628 95%	13,221,650	1027.69%	111,359,476	1475.95%
1997 Base		1,855,100		21,993,553		1,172,450		7,066,185	

		Cardinal Martman Exhibit 30	tenani						Δ.	P1.3865
Osympton Malphod by Cardinal	Donage	401	THE PARTY.							
All Steam	2004	2007	2006	TOTAL SHEET	2010 1,147,502,770	101.	1,410,112,474	30.0	1313,725,500	Grand Total
AK	8,700, MO	N. P. S. Paris	ABANGE	CAMERICA	AMERICAN.	3593.680	3.092.860	5,685,280	A.781-020	NC 36 144
7	NOTHER SEP	34,132,446	10,281,3Mc	06909,130	10/04/2000	13,423,620	1,4609,940	15,031,330	16.205.180	HR.MITTO
A/B	2,104,010	2418,440	2484,30	279123403	4201.44	1,604.631	3,657,890	1171.560	5,191,540	10.476.49
A.Z.	19,798,180	27,412,960	31,558,166	15,257,7411	15.341,1120	34,068,08G	47,601,982	44.515,741	42,567,580	318,191,400
5	16.781.245	20,970,840	DIN M	THE WAY THE	187 XX	N. Tag. 193	64,044,240	73,797,390	13,077,430	370,441,745
CO	16,999,715	18,845,290	21,249,900	12,040,15	14,507,500	24,489,180	40,167,220	AN FRESHOLD	10.130,360	THE PAY PAY
t	21540/410	25,440,930	26.292,100	27,837,480	29,855,220	28,457,460	45,247,540	44.112.500	W.Samerry	SERVICE
20	なってあず	2,457,580	3,03,560	1,838,780	4,357,385	(MRX.73)	5,077,300	4/346/20	Other	36,794,43
906	RAST 205	3,477,920	2,101,736	2,490,346	2,935,780	235220	3,489,720	2,879,780	DAC'160'1	27,504,34
12	76,186,780	W,155,140	MASS.160	105,471,8601	130,481,920	174,928,840	116,018,550	102,145,170	59,434,350	897,792,230
4:	A results	Pa. 21/200	41,415,380	11,202, FRE	22,436,160	0527,440	41,423,520	40,490,440	N.972.130	05,215,50
Ŧ:	170, X18	186,000	100,000	20,000	220,500	100	COMP. SING	1,379,180	1,230,/40	5,117,80
5.5	1,713,813	2000	100000	2,433,580	1,000,000	W. 76.2	200.00	3,710,940	2,772,130	NTICE.
2 -	1944 195	5001 400	6127.28	OCC WAY A	7 666 920	WALKE.	10,000 cm	Contract of the last	10 000 000	24,042,28
22	19.316.000	24.595.486	37,767,900	31 157 680	M 622.540	42434500	49.812.870	4164 10)	16.241.240	480,442,436
53	MARKE	Shegwill.	NAME AND	STARMS	1977/am	W.515/mm	STUDIOS.	10.MAN.RRD	VORTINGATION	04314400
£Y.	MARKET	NORTH .	08294596	(1371,04)	SUPPLIANT.	36,537,695	24,881,165	34,204,550	28,153,980	182 480 34
17	3,653,175	4,236,440	1,712,946	4,311,020	4,093,040	3,864,7(c)	3,424,930	3,534,840	5,099,180	41,3M0,54
MA	ALLAN MAIL	AND MANUAL	14,000,500	67,490,440	72,901,160	69,309,250	62, (83, 183)	71,724,167	54,828,310	354,745,38K
QW.	W,221,940	19241.580	37,171,186	47,850,250	47.565,900	99,743,500	40,241,800	Manhello.	11 decision	X5,070,530
ME	11,309/10	11,917,920	11.179.300	11,153,740	13,410,440	14,312,640	14,016,000	13,181,281	12,687,233	113,970,99
IM.	1,812,915	10,199,440	200	1202001	18,532,380	17,144,300	18,061,900	31,370,750	20,482,500	19,307.91
NUN	WALLEY OF	TIANGS13	DEPOSITE COL	10,537,100	000000000000000000000000000000000000000	10.000	10,177,000	14,377/64	11590,340	103,421,87
WD.	100000	TALLING.	2444,100	LANGE THE	1 174 820	1454 140	No. The Contract	19,060,240	10,586,700	A 187,22
9	1.268,610	2172175	2,469,280	2515.00	2186340	2272.640	2 765 540	Voinge	A PAGE STO	25 467 183
MC	14,452.135	00,000,000	48,219,960	\$1,753,130	56,AM, 980	GAUTA TOD	70,415,450	76.540.950	46.411.40	W 21500
ND	AMSKI	(302.430	1,253,4390	000'966'1	1,673,760	1,229,486	1,041,460	1,348,340	3,029,786	11.042.24
MIL	180 DEK!	1251,900	2342,840	2,4704,460	2,147,780	23,6,760	3,574,330	3,398,060	2,617,560	21,648,846
NOF	7,123,150	6,450,940	6,670,869	7,106,230	7,536,380	767.546	KB01280	011/2996	PARTACEN.	78,467,50
Z	12,769,465	15,581,000	17,297,053	3404040	41,730,000	S1,056,960	MONTH	62,570,240	57,208,52n	Be CUT STA
NM	R.177,435	3306.359	100(0)/00	17,530,340	13,881,000	10,540,140	952,735	9,075,639	8,220,540	49,984,08
W	4,872,745	RALL TO	10,152,100	12,142,440	18,549,360	20,812,440	24,187,230	26,421,310	22,624,640	159,440,17
MV	31,280,203	39,568,120	65,947,880	51,213,520	54,033,180	90,671,948	12,736,210	DIN STATE	DE DESTROY	日、6年1年9
OIL	67,103,733	72,776,480	13,571,30	SA, PH., A40.	94,540,580	76,62A,440	100,38,000	106,434,340	99,905,148	744.11.45
OK	1,9554-401	L112370	1 1 N	17/11/20	0.030,980	SEC. 185	6,272,940	7,456,520	E-1.75	49.315.86
80	11.376,190	10000	Day Total	THUM LOSS	DATE OF THE PARTY	DEC 19,155	NA CENTRAL	12,425,780	31,853,320	195,479,76
V.	SOUTH ASS	200700	17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	The Date age	2000	69,000,000	TO THE PASSAGE	10,210,250	90,75,090	19,47,78
	24.46.046	The same	A1 750 km	31 m 2 440	SA HOLDER	- Table 19 -	A 450 PM	10,700,000 TT 447 (150	AL DATE THE	MA. 179, 15
	1379.695	(A2M.620	A 528, 760	1,479,946	1,522,460	1.406.288	1,358,100	1 814.340	2007.420	IN THE PARTY OF
NI.	21,5(1,0)10	21,799,672	25,240,100	28,975,460	11,495,390	57,038,430	40,382,659	44.862.BHD	43,327,400	20% M2.69
1	6,469,150	R.075,345	TANAMAT.	6345,160	45,700,700	8.543,RHD	S.141 Sec.	3 655 2 241	8.455.600	2147497
							The state of the s	Comment of the last	1	

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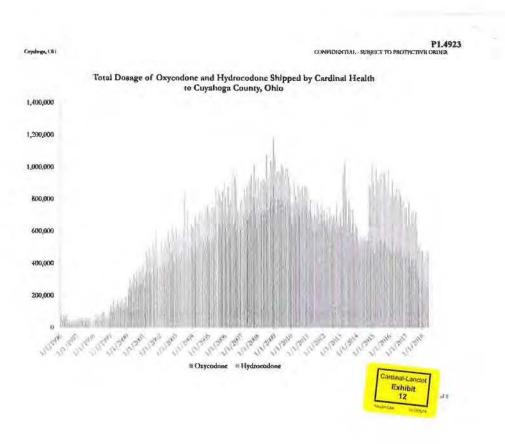
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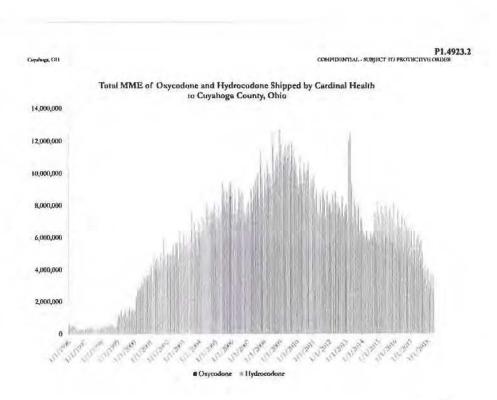
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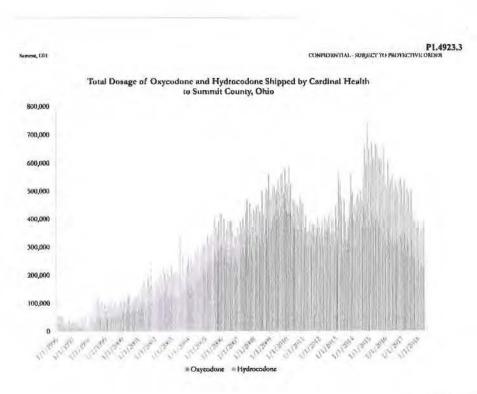
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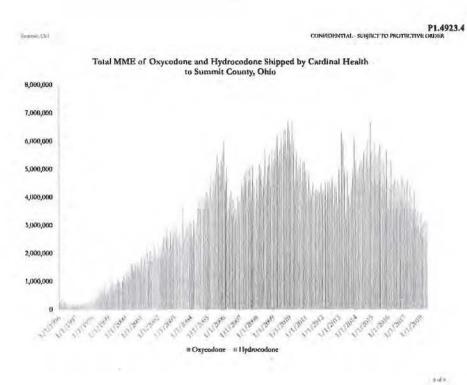
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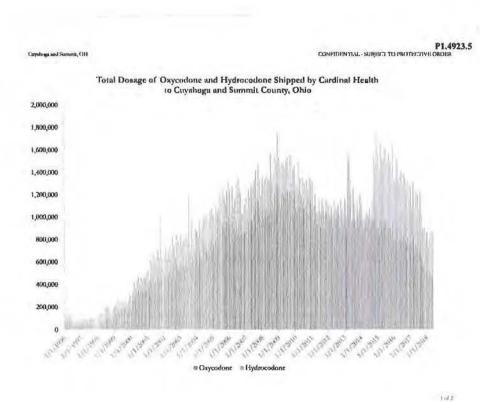
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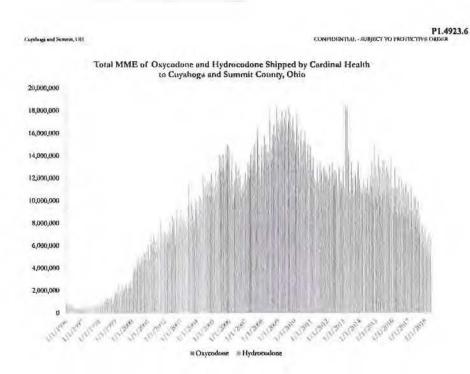








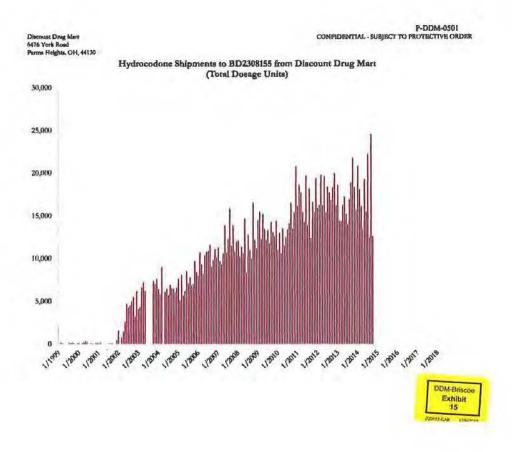


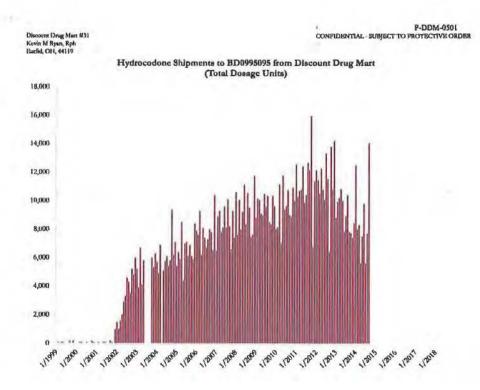


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Appendix B Additional Discount Drug Mart Figures and Tables





#### Appendix C Additional HBC/Giant Eagle Figures and Tables

P-HBC-0014 CONFIDENTIAL SUBJECT TO PROTECTIVE ORDER

#### Hydrocodone Shipped to HBC Pharmacies 2006-2014

			2006	2007	2008	2009	2010	2011	2012	2013	2014
	Dosage	Total	18,731,900	23,141,110	27,105,840	29,757,740	30,018,360	33,968,190	35,728,990	33,390,870	29,835,260
		Average	96,556	108,644	127,858	141,032	140,271	159,475	165,412	153,875	136,234
National	MME	Total	80,467,870	98,244,033	113,248,227	123,789,565	123,831,613	139,802,015	147,361,062	138,875,720	125,235,634
		Average	414,793	461,240	534,190	584,680	578,652	656,347	683,227	639,980	571,852
	#Pharm	Total	191	213	212	201	214	213	216	217	219
	Doenge	Total	6,843,540	9,700,720	12,409,110	14,223,210	14,414,080	16,295,840	17,140,690	15,408,410	13,287,770
	7,100,41	Average	72,037	84,354	108,852	125,869	127,558	145,499	150,357	135,161	115,546
Ohio	MME	Total	28,303,195	39,494,888	49,475,796	56,419,046	56,855,483	64,307,471	67,764,487	61,406,724	53,515,019
		Average	297,928	343,434	433,998	499,284	503,146	574,174	594,425	538,655	465,348
	#Pharm	Total	95	115	114	113	113	112	114	114	115
	Donge	Total	909,100	1,443,100	1,995,370	2,252,170	2,206,410	2,454,170	2,535,590	2,179,970	1,805,320
		Average	45,455	46,552	68,806	83,414	31,719	90,895	90,557	77,856	61,170
Cuyahoga	MME	Total	3,786,662	5,940,025	8,036,317	9,016,588	8,645,213	9,581,868	9,928,753	8,551,588	7,077,153
	10.00	Average	189,133	191,614	277,115	333,948	320,193	151,884	354,599	305,414	252,756
	#Phann	Total	20	N.	29	27	27	27	28	28	21
	Dosage	Total	921,460	1,321,100	1,644,030	1,685,020	1,836,820	2,104,110	2,196,680	1,940,800	1,617,150
		Average	92,146	110,092	137,003	157,085	153,068	175,343	183,057	161,733	134,763
Summit	MME	Total	3,621,925	5,129,270	6,224,995	7,092,968	6,791,463	7,845,402	8,217,801	7,307,148	6,177,079
		Average	362,192	427,439	518,750	591 081	565,955	653,784	684,917	608.929	514,757
	#Pharm	Total	10	12	12	12	12	12	12	12	12
	Dosage	Total	1,830,560	2,764,200	3,639,400	4,137,190	4,043,230	4,558,280	4,732,270	4,120,770	3,422,470
Cayahoga		Average	61,019	64,281	88,764	166,682	103,678	116,879	118,907	103,019	85,500
and	MME	Total	7,408,587	11,069,295	14,261,342	16,109,557	15,436,676	17,427,270	18,146,584	15,858,735	13,254,23
Summit		Average	246,953	257,425	347,838	413,966	395,812	446,853	453,665	396,468	331,350
	#Pharm	Total	30	43	41	39	39	39	40	40	40

Data Source: ARCOS data produced by DEA

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P-HBC-0014 CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

#### Hydrocodone Shipped by HBC DC to HBC Pharmacies 2006-2014

			2006	2007	2008	2009	2010	2011	2012	2013	2014
	Dosage	Total	0	0	0	3,918,890	26,689,710	31,387,810	30,686,120	30,493,590	22,495,500
	- 175	Average	0	0	0	18,841	125,304	148,056	143,393	141,174	103,190
National	MMB	Total	0	0	0	15,815,878	107,664,928	126,855,257	124,468,408	126,080,010	93,056,073
		Average	0	0	0	76,038	505,469	598,374	581,628	583,764	436,863
	#Pharm	Total	0	0	0	208	213	212	214	216	218
	Dosage	Total	0	0	0	1,893,280	12,752,630	15,193,050	15,017,970	14,005,430	10,030,760
		Average	0	0	0	16,904	112,855	135,652	131,737	122,855	87,223
Ohio	MME	Total	0	0	0	7,313,595	48,938,564	58,439,916	57,954,723	55,288,196	39,755,731
	777.23	Average	0	0	0	65,300	433,085	521,785	508,375	484,984	345,702
	#Pharm	Total	0	0	0	112	113	112	114	114	115
	Donage	Total	. 0	0	0	307,820	2,006,300	2,335,980	2,170,430	1,952,700	1,330,300
	32 24	Average	0	0	0	11,401	74,307	86,517	77,516	69,739	47,518
Cuyahoga	MMB	Total	0	0.	0	1,188,794	7,636,013	8,938,618	8,284,398	7,610,463	5,107,433
		Average	0	0	0	44 029	282,815	331,060	295,871	271,802	182,408
	#Pharm	Total	0	6	0	27	27	27	28	28	28
	Dosage	Total	0	0	0.	246,580	1,659,920	1,990,250	1,979,720	1,788,690	1,227,200
	OR OF STREET	Average	.0.	0	0	20,548	138,327	165,854	164,977	149,058	102,267
Summit	MME	Total	0	.0	0	916,787	5,948,973	7,212,254	7,189,935	6,650,150	4,636,100
		Average	0	0	0	76,399	495,748	602,688	599,161	554,179	386,342
	#Phaem	Total	.0.	0	0	12	12	12	12	12	12
	Dosego	Total	0	0	0	554,400	3,666,220	4,326,200	4,150,170	3,741,390	2,557,700
Cuyahoga		Average	0	0	0	14,215	94,006	110,928	103,754	93,535	63,943
and	MMB	Total	0	0	0	2,105,581	13,584,986	16,170,672	15,474,333	14,260,615	9,743,533
Summit	1	Average	0	0	0	53,989	348,333	414,638	386,858	356,515	243,588
	#Pharm	Total	0	0	0	39	39	39	40	40	40

Data Source ARCOS data produced by DEA

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P-HBC-0015

	III			Cuyahoga County, one, Oxymorphona,			2		
			Cu	yahoga County					
Total Dosage Units	2006	2007	2008	2009	2010	2011	2012	2013	2014
10,103,720	- 0	- 0	0	307,830	2,006,300	2,335,950	2,170,450	1,955,500	1,330,50
			8	ummit County					
Total Dosage Units	2006	2007	2008	2009	2010	2011	2012	2013	2014
3,812,160	- 0	(1	- 0	296,580	1,559,920	1,999,230	1,979(23)	1,790()001	1200
			0	hio - Sintewide					
Tond Dosage Units	2006	2007	2008	2002	2010	2011	2012	2012	2014
16,873,060		Ü	0	1,893,280	12733,630	15,193,050	15,017,076	13395,650	10,030,7

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P-HBC-0016

### Opioid Shipments to Pharmacies in Summit County, OH 2006 - 2014

DEA Number	Phannacy	Address	Туре	Total Dosage Units	Weight in mg	Total MME
BG7042891	Giant Eagle Planmacy #4001	41.5 Th Street Se, Burberton, OH, 44293	Chare Pharmacy	6,931,522	46,701	10,545,895
AG2819510	Grant Eagle Pharmacy #4124	181 East Wittedoo Rd, Akron, OH, 14319	Chain Pharmacy	1,071,691	27,717	36,700,349
BG7513172	Giant Eagle Pharmacy #4029	2801 East Waterloo Road, Akron, CHI, 11312	Chain Phormacy	2,933,281	19,021	26,210,500
BG7513309	Grant Eagle Planmacy #-1030	205 West Ave, Tallmadge, OH, 14278	Chain Phormacy	2,751,111	20,057	26,165,389
AG2819338	Giant Pagle Plannacy #4036	2687 State Road, Cayahoga Falls, OH, 44223	Chain Pharmacy	3,437,077	14,449	17,968,008
BG6784450	Gent Pagle Pharmacy #6376	6300 Biddalph, Incodern, OH, 44144	Chain Pharmacy	2,154,361	12,485	13,490,174
FG0138873	Giant Pagle Pharmacy #5878	230 Howe Rd, Covahoga Falls, OH, 44221	Chain Pharmscy	1,934,569	12,469	16,505,331

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enterion On, prais				Opiold	Shipmenu	to DG704289	I by Dieur	ibntor					,	1101001
		Onread		Hydroc		Morph	lan.	Cade				Dong Famil		
Сотрону	State/Zip	Donage	mg	Descape	mg	Dasage	neg	Doesile	mg	Donnge	MMR	Average Phermacy MMB In Causity	Average Pharmacy MME in State	HMR Percomille Within State
						266								
Ands Inc. Ands Pharmiserment Inc.	ogue	0	'n	-(2011	27.5()	-		200	15,300	19,200	Ouge			
McKesson Corporation  McKesson Corporation	P. 6110	1.06500	1,566,991	216,590	931 360	14.200	F13 161	12,100	559,876	121.445	5,1.22,157			
Tatal		1.94,500	1,566,191	254,700	978,87.1	14,200	.17.1/164	14,500	404,080	4.84,645	5,154,301	2,904,224	2,488,196	4,0%
Anda lor	iolo	0.0	ū	10,100	% 921	U	- 14	100	.0.0	10,200	1/00/03			
McKeaser Corporation McKeaser Corporation	to sent	21), joi	2,477.650	335 (60	1,314,200	17,500	564,560	16,200	150,864	1013,275	1,671,628			
Total		211,300	4,477,630	345,200	1,351,141	17,500 2000	560,560	16,300	451,619	614,475	7,914,560	3,441,865	2,665,429	4,40%
Anda, Inc.														_
And Phanacrock In	OH 63125	100	10.1	9,590	33,686	$\times$	11.0	(4)	o	9,500	33,650			
McKesson Corporation	FA. 16101	205.600	2,377,903	396,110	1,477,279	\$6,000	453,762	15,000	157,123	696,620	5,068,177			
Total		245,699	2,377,963	405,640	1,516,966	16,100	453,782	15,000	457,122	766,120	8,102,16)	A12L543	2,847,719	3.13%
Anda, Esc Anda Chamas removab Les	7511 (1512)	5,100	103,546	19,100	70,210		0	0.	9	31,300	225.520			
HBC Service Company HBC Service Company	105 (1001)	de	(m)	54,620	196,511		100	2,500	66, 99.9	\$6,530	NW 450			
McKesson Corporative Mi Kesson Corporative	PA 16101	261,640	2,547,696	167,000	1,341,460	17,200	522,7%	16.4%	465,226	7/0,097	8 (12,12)			
Total		299,900	2,651,444	4,19,940	1,6.30,321	17,200	\$22,7.8	20,900	3.51,529	789,541	1,546,108	1,4 18,261	3,121,530	5.50%
Ands for	13H 4512s	5,000	Coppetia		459	10	- 4	u	- 4	5,040	41.79			
HBC Service Company HBC Service Company	PA 15301		16.1	Well Kin			al	COMM	219,919	419,120	JAYK. FY			
Мексион Согрозика													7 of 40	

Giant Engle Planmacy #4051 41 July Street Se Barbarron, OH, 44203

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

P-HBC-0016

#### Opioid Shipments to BG7042891 by Distributor

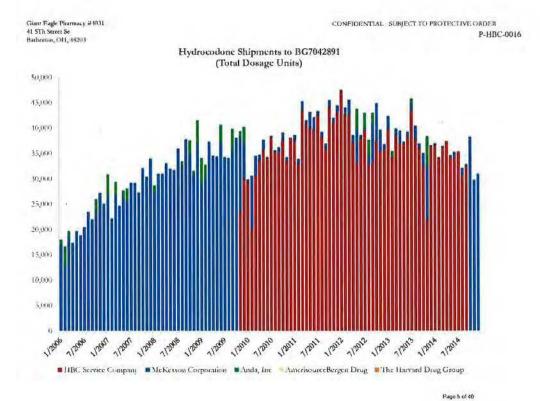
		Опстен	done	Hydron	odone	Morph	ine	Code	ne		12	Drog Family		
Соправу	State/Zlp	Design	ang	13 стаде	mg	Dourge	шИ	Покаде	nig	Occargo	MMK	Arrange Pharmacy MMB in County	As reage Planmacy MME in State	MMR Percentile Within State
McKesson Corporation	PA 16101	314,100	2,511,219	21,460	97,656	20,000	555,576	3,000	64.093	592,135	6,670,590			
Total		319,100	2,568,114	423,780	1,514,265	26,000	355,378	20,000	484,012	816,453	6,396,5-79	3,884,208	3,468,759	5.94%
						2011					1970		641 363	
Anda, Inc		8,900	46,618	100	605	0.			- 6	10,300	107,415			
Anda Plannacroncali Inc. Anda, Inc.	CH 43125 Fr. 13331	1,900	46,618	100	600	(6)		4	- 4	10 200	106,810			
	FI 11331	55	u	2000	6(1)	(50)				100	603			
HIK Service Company HIK Service Company	PA 15301	#	10	460,316	1,0650	5045	10.0	.53,900	5.96,549	303 <sub>4</sub> 10	LB12,197			
McKesson Corporation McKesson Corporation	PA Islat	361,000	2,626,145	16 06H	14,641	24,500	721,206	tún	4,420	426,974	6,534,967			
Total		362,900	4,672,766	496,670	L802,166	24,500	72L296	23,000	649,929	240,684	8,454,779	3,934,251	3,391,090	445
			108.0040.00	1774400-00	10 50 50 5 Million	2012	000000000		11123950-00	2000000	250-050-00		ASSESS TOUR	
Anda Inc.		9	0	12,000	48,432	- 0		- 7	0	12,000	48,432			
Apple Photogram or in the law	OH 43125	0		2000	9.061			0		2,000	9,061			
Anda Inc	PL 33331	0		10,000	19.351			.0.	0	to.000	59,351			
HBC Service Company HBC Service Company	PA 15301	**.	0	456,280	1,649,721	.0	6	18,100	469,541	474.380	1,719,602			
McKesson Corporation														
McKesson Corporation	PA 16101	369,200	2,481,978	55,450	171,596	11,709	903-829	2,600	63,552	462,440	5,316,054			
Petal		169,200	2,481,978	593,750	1,868,749	33,700	963,829	20,700	531,893	948,820	6,043,488	3,775,673	4,250,787	6.15%
0000		2009391000	990040400000	Sign Control of Contro	1650000000	2013	57558535	S-1005-1	648868888	3000000		50470050506	W107/A02/45	50 MAGN
Anda Inc	A Section Control	21,000	143,891	7,768	31,591			0	0	32,760	524,762	11		
Anda Pharmsceuticuls Inc.	DH 43125	18,500	125,476	1,000	1,784		.0	0	41	21500	263,475			
Anda, Inc	FL 33331	2,500	22,413	6,700	27,600	0	0	ı)	9	9,20	61,326			
HBC Service Company HBC Service Company	PA 1530L	0	4	133,840	1,632,725	0	0	16,100	124 339	149,940	1,696,374			
McKesson Corporation McKesson Corporation	PA 16101	322.100	2064,591	25,900	115,760	28.000	773.846	1.200	25,597	395,692	5,591,353			
Total	19111	343,100	2,230,461	467,448	1,779,825	28,000	773,846	17,500	149,846	878,332	7,612,428	3,537,090	1014,154	6.02%
1444		And the		401/440	Week Lines	2011	1104040	17,,00	747/140	974,132	1,444,460	Table Charles	444,154	9,437
						4411								
HBC Service Company HBC Service Company	PA 15301	ii.	0	111,700	1,0920		9	11.200	296,153	3,22,900	1,234,636			
McKesson Corporation												Page 3	of 40	

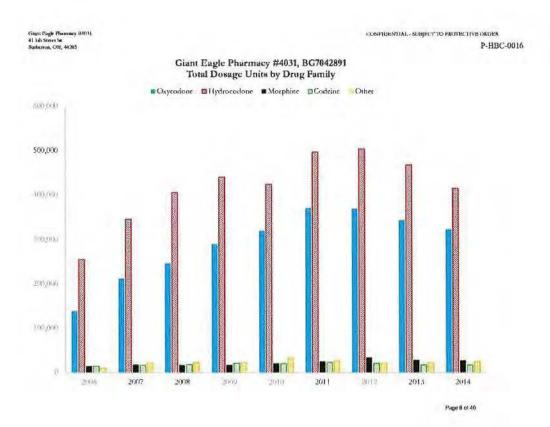
Page 3 of 40

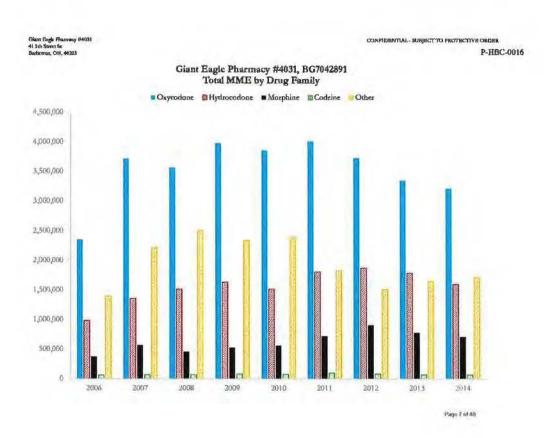
## Case: 1:17-md-02804-DAP Doc #: 3013-3 Filed: 12/18/19 47 of 108. PageID #: 445226 CONFIDENTIAL

rtion Figur Pharmer 250()) -Hollefores Se -Balgarou (21) - Harri										13.0000	жил	SOMBLET D		rie esoni HBC-00
				Opinid	Shipments	16 UG704285 200-2011	I by Dierr	burot						
		Ossoo	dane	Hydroe	odoge	Morph	ide	Code	ne:		12	Ding Family	g.	
Company	Sem // figt	Beeng	ing	Decage	ing	Douge	mg	Disage	ing	Harage	MME	Account Photonecy MARE in Elements	Marmacy MME in State	MM6 Péccemile Within State
McCarron Constraint	4.5 (620)	1533 (64)	HHSU	100 560	461931	> 900	=6 (e)	7.60	1.95, (2.8	9515H	3.050551			
Fond		322,100	2,411,19.1	414,660	1,391,153	26,000	296,293	16,480	451,633	915,411	7,285,519	3,104,211	2874,555	5,875
2005 201 ( AVI RAGE		369,767	2,652,684	111.562	1358,636	22.016	617,741	16,576	486,263	770,169	7,727,325	3,450,741	2,784,687	4,678

Page 4-07-801







ëzni: Pingle Platennorg Ir413d El Haut Waterkes Hel Leon, CH, 44319				Opiold	Shipments	io AG281954	0 by Dien	bmor		CONFI	JENTIAL.	arenjis i re		HBC 00
						2006-2014	-							
	1.00	Oxyve	tone	Hydron	Mone	Morph	ine	Corte	hue			Ging Family		
Cualpuny	State/Zip	Horage	init	Всверт	mg	Danage	ma	(powers).	ied	Danger	MMR	Pharmary MATB in County	Pharmary MME in State	MMH Percentlin Within State
						3000						Y		
Anda Pharmareunicals for	OI(43)25	-u	0.	901	1866		10.7	191	36.7	500	(5)4			
IcKesson Corporation McKesson Corporation	PA 161111	99,960	1,023,662	165,640	599,5402	y Will	214,360	0.000	264 550	297,451	1,063256			
Petal		99,900	1,041,692	149,160	661,454	7,300	209,807	9,886	265,580	297,951	1,685,199	2,964,224	1,465,196	<b>ZURPIS</b>
Anda Inc		- 6	- 4	590	2,557		.0.		0	500	2,5.57			
Anda Pharmaceuticals Inc. Anda Ira	OH # 1125	61	10	300 0	3.270		-		0	500	(200)			
McKesson Corporation	PA 16191	115,400	1,302,958	202,790	761,600	9,800	208,169	13,500	318,157	551311	3,722,769			
I'mesi		115,400	1,102,958	203,400	764,416	9,800	268,169	13,900	348,437	351,644	3,725,325	3,221,665	2,665,125	3696
		10.00	100			2908	-						-	
Anda Pharmscewicals Inc.	on this	g.	10.	2,690	7,870	16			0	1400	-670			
McKesson Corporation McKesson Corporation	PA 1610L	153,600.	1,250,594	250,120	997.905	4,500	212,155	13,500	315 106	453-172	1.785 1.31			
Total		163,600	1,750,894	282,926	9.6,778	9,306	213,436	1.1,590	.515,508	454,012	4,793,001	5121,541	2,887,715	MAN
Anti, Inc. Anti-Pharmayaboul Inc. Anti-Inc.	91143(25 61.1011	Z,100 (,100)	75,306 75,406 0	25,500 (4,500 1,500	59,027 46,000 1,027	*	8	- *		17,900 (6,900 1,000	(71,984 (68,959 310/7			
HHC Service Company HPC Service Company	PA 15591	- 0	u.	29,780	Parist			Saw	15,042	31,500	113094			
ble Ketson Corporation McKesson Corporation	PA 16101	177,600.	1./63,102	360,660	680,080	11,300	:215,007	12,600	311,621	157,880	1,695,9%			
fuest		100,000	LA-M,408	285,948	1,059,162	(1,100	344,803	14,606	36-1,667	507,760	5,161,035	3,439,261	3,121,330	14.07%
Anda, top Anda Pitamus venda for	OH 15125	6	- 0	21300	71,135	-01		100	á)	21300	71155	7 1		
HBC Service Company HBC Service Company	PA 15301		100	232,490	\$05.365	10	- 0	(180)	300.5%	241,250	150 119			

ium Eagle Pharmacy 114334 84 Han Waterkon fid More OH, 44319										CONFI	DENTIAL	subject 1	PAOTECT P-1	HBC-00
M. 510, 57107				Opioid	Shipmenre	to AG281954	0 by Dierr	bittor						
		Онусон	Jone	Hydran		Morph	line	Code			11	Trong Famil		
Сопірент	Suite/Alp	Dusage	nig	Donnge	mg	Dotegy	uiß	Unsage	mg	()was ge	MMR	Average Phasmery MME in County	Average Photonocy MIME to State	MAIE Processile Wiskin Some
McKesman Componention McKesasie Componention	PA 16101	204,100	1,093,847	33,660	356.951	IS,MA	311,162	1,600	31.439	278,507	1 497,185			
Foral		204,100	1,693,847	287,670	1,032,929	15,600	511,000	14,400	115,612	145,20	3,443,769	3,884,368	3,168,759	He
Anda Inc Anda Pharmarentirals Inc Anda Inc	OH AND FLAME	- 1	9	1,500 1,500	5 67M ( 1987 673	*	9	0	0 0	1,500 1,500 0	5,870 5,297 573			
HBC Service Company HBC Service Company	PA 15.001	1987	(10)	201(00)	366,439	1 000		15,800	100,7%	263,700	1,026.765			
McKenni Corporation Mi Kenni Corporation	PA 16101	196,400	1.717.616	22,980	95,015	(3,400	365,456	100	().56%	264,785	3,466,648			
Treat.		196,406	1,517,810	192,690	1,067,314	13,400	265,456	15,800	+17:300	329,965	4,499,283	3,934,211	3,391,090	21,96
HBC Service Company HBC Service Company	PA 15301	W	700	16/4 19/0	06(T)(8)	· ·		£ / Jadan	159,050	2/9,539	nail ne			
McKerson Conjumnion McKerson Conjumnion	PA 16101	160,400	1,111,481	(9,870	94,371	15,000	M9.071	1700	12591	125,807	2,614,420			
Total		150,400	1,111,461	285,590	1,051,963	15,000	289,971	15,300	\$15,000.	595,127	3,625,715	3,775,473	3,250,789	29.10
Airds, tree Airds, Iter	PL 31331	.6.		12.500	20.90		- 1	-	-iX	6,300	.20,184			
HBC Service Company HBC Service Company	PA 15301	-	-	21,1370	341,591	-	- 8	11 (E.M.)	288,473	253,770	723,468			
McKesson Corporation McKesson Corporation	PA 16101	175,400	1,075,979	(0.59)	5197	(3,60)	-393-230	1841	36.103	307,005	2,345,402			
Total		175,400	1,075,979	240,770	918,259	13,600	365,200	10,700	W).00E	467,075	1,809,454	3,5.07,090	JOI 1.154	31.79
Anda, Inc Anda, Inc	FA. 13311	911	-		ū	U		100	11 1972	2,000	0.65			
HBC Service Company HBC Service Company	Physican			163.mm	3601.875	741	- 2	1.560	men Jan.	Ballagen)	-614,437			
McKeason Corporation												17aga	9 01.40	

Giant Figle Plannary 24124 484 bant Waterkey Rd Akron, OH., 40319

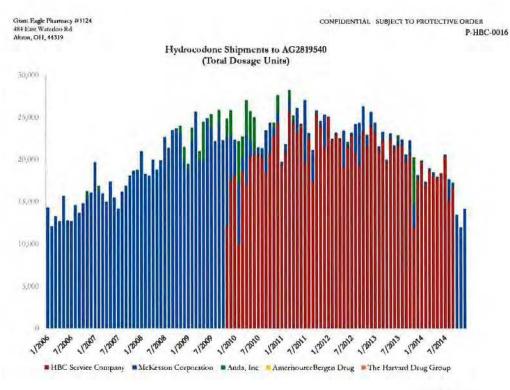
CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER

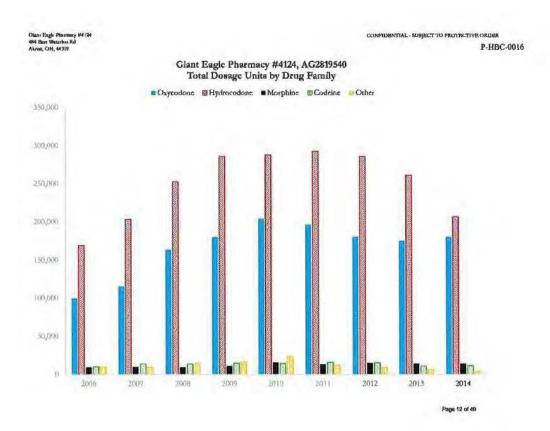
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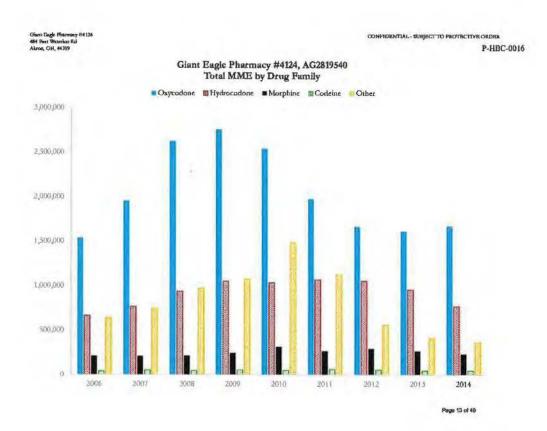
Opioid Shipments to AG2819540 by Distributor

		Oxyen	done	Hydroco	done	Morph	ine	Code	ine		12	Dong Family		
Company	State/Zip	Dosage	ing	Dosage	тк	Dosage	aid	Dersage	шд	Unsage	MME	Astrage Phasmary MME in County	Average Pharmacy MME in State	MMR Perconiile Wirlun State
McKessen Corporation	PA 19101	180,100	1,115,216	11,100	165,115	13.8(4)	253,015	2,300	51,693	243,590	2,0250			
Total		180,100	1,115,246	206,500	767,660	13,800	233,045	11,400	306,554	413,560	1,092,567	3,106,211	2,874,533	11,16%
2006-2014 AVERAGE		166,144	1,358,889	242,110	920,811	12,344	246,760	13,289	135,553	45.2,743	4,027,817	4,435,923	2.984,659	22,15%

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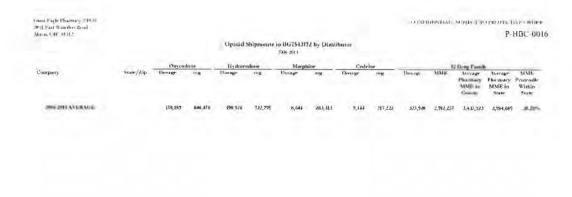




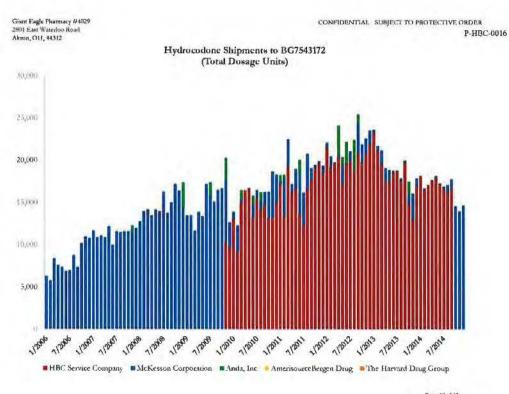
Sint Page Plantary #4009 801 East Waterion Read										CONFI	DENTIAL	susject to		HBC-00
Aron, CH., 44112				Oploid 5	Shipmenu	to BG754317 2006 2014	2 try Diam	ibinot					1.	HDC-00
		Outro	tone	Hydrocs	done	Morph	lina	Code	imin			Diving Family		
Совірниу.	Santo/Zip	Dissage	mili	Hamage:	wit	Durage	"W	Donage	wik.	Docage	MMK	Average Pharmaty MMB in County	Average Pharmacy MME in State	MMH Percentile Within Stan
						2006								
McKesson Corporation McGesson Corporation	PA MIOI	51,500	549,069	47,560	184,651	6,600	167,851	1,600	141,978	165,110	1,996,299			
Total		51,500	3 48,069	97,564	384,631	2007	167,654	5,800	141,078	168,380	1,996,299	2,904,224	2,488,196	41.0854
Ands Inc Ands Pharmaceuncals Inc	OH 43125		À	1971	1.816	100	1/2		5-10	in	180			
McKessou Corporation IdelGescon Corporation	PA (6101	41,70	679,553	136,600	V25,664	S, Wm	164,989	8,500	195.864	255 125	2,719867			
Fishel		81,890	879,553	1 17,404	527,480	5,300	164, 189	8,500	175,884	235,745	2,721,649	AZZLIBS	2,645,429	31.41%
Anda, Inc Anda, Inc	11 milye	Tio	V	1,000	-160			ú	540	1,000	9,661	(		
McKesson (Zorponitika) McKesson Corponition	P/s 48401	103,000	1.123.714	175.600	453,267	6,500	179,954	\$4,6(N)	260,093	303,920	3,077,645			
Form		10.5,000	1,144,314	170,669	662,348	6,500	179,954	10,600	260,055	.106,970	3,104,726	.3,121,543	1,687,719	29.7.8%
Anda, Luc Anda Pharmaconicals loc	OH +3125	See	18.021	4,500	12,106	-			0	1600	40,346			
HBC Service Company HBC Service Company	PA 15301		- 4	20,120	60,155		-	1,200	30,911	21,320	84,794			
McKesson Corporation Mr Kesson Corporation	PA MAINT	1000	397,tmu	147,800	192,442	6,800	(1),716	7,100	145,940	746,235	A1 MA67			
Total		71,700	725,896	191,920	684,705	5,600	135,736	8,300	196,881	274,145	2,360,051	3,430,261	4121,530	46,R014
Anda, Inc				- Dis										
Anda Pharmaceneirals is	7711 47125	+		3, 991	11.200	10-	.01	.00	u	1,200	11,00			
(INC Service Company HHC Service Company	PA 5500	*	W.	169,980	609,578	26	п	9(4)	194,469	177,000	63K (V			
McKriscen i rippresticat McKessen Corporation	ter more	191,500	210 795	31.000	16,289	-5805	52,240	1500	30,941	136,585	1,912,156			
Total		101,300	779,193	194,100	707,067	7,800	33,296	2,400	325,630	317,585	2,562,100	3,881,288 Page 1		12.64%

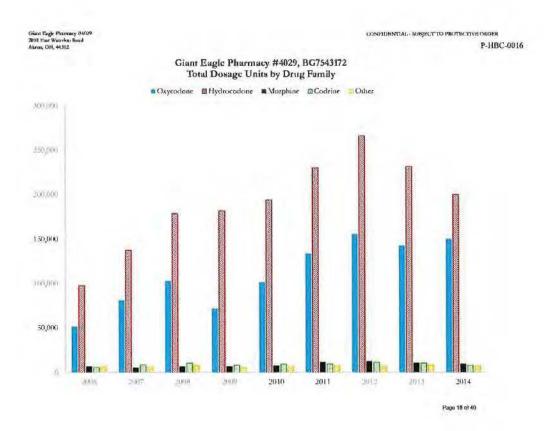
iony Page Pharmary #4929										(ViNISI	DENTIAL -	stragection.	PROTEST	VECURIN
milian was der tual dron, OH, MSL2										1201413	and the same	arrigin.		HBC-00
				Opioid	Shipmonu	to BG754317 2006 2014	2 by Distri	butor						
		Chercon	done	Hydigo	odone	Morph	ine	Code	toe .		12	Dong Pamil	,	
Соопрану	Seate/Zip	Donage	ingt	Descape:	migi	Thereign	mili	(Jenjaje)	mg	Image:	MME	Average Pharmacy MMB in County	Average Pharmacy MME in State	MME Proteculie. Within State
						Peri								
Anda, Inc. Anda Pharmicanos al Am	OH 41(2)	306	1,545	2,600	10,100	70.	-	U	ū	2,900	12,125			
HBC Service Company HBC Service Company	FA (550)	-01	100	700,630	725 268	- 10	110	6,400	101-165	209,220	754,441			
McKesseer Corporation McKesseer Corporation	PA 16101	133,500	959,233	26,900	11/,92:	11,700	250,667	1,00	26 521	160,615	2,496,931			
Total		1,65,800	961,078	170,350	NS.1, 10.1	11,700	250,867	7,560	231,910	193,736	1,26,1,501	1214,211	1,191,090	38,30%
Arulia, Inc.				11,550	83, LS					31,500	43,1,6			
Arele Pherman create to	DH (313)	- 2	-0	7,600 4,500	25,730 17,105	0.	4		9	7,000	25,730			
HBC Service Company HBC Service Company	PA 15591	- 100	100	319,400	567.105	n	- 3	10,500	243,111	250,900	923371			
McKesson Corporation McKesson Corporation	PA 16191	135,707	1,003,485	14,424	75,041	12,600	207.4%	1,100	2001	190,246	2699,873			
Total		EX5,740	1,083,465	266,320	1,005,281	(2,660	233,4%	11,689	266,406	45.5,158	.,666,080	3,773,673	1,250,769	26,79%
Ariela Inc. Ariela Inc.	ri min		- W	1,500	4,541		-		0.	1,500	4511			
HIN Service Company HIM Service Company	F4.7540			216,990	828,540			10%	305 a si	28,190	WE 10 H			
McKessee Congression No Kessee Corporation	PA 16148	142,900	916 330	11 120	10,466	(0,90)	252,070	1,400	30,363	174,562	2,429,537			
Total		142,900	718,130	231,610	883,069	10,800	25,070	10,600	260,233	404,25.6	1,297,099	3,557,090	4014.154	31.56%
			_			.011		_	_		_	_		_
Audo, Inc	61, 23331	*	10.0	10			-9	1,300	28,731	1,300	4,340			
HBC Service Company HDC Service Company	PA 15501		100.	154,400	608, 150		9	5,300	79,564	157,700	620,065			
McKesson Corporation McKesson Corporation	PA 16101	150,160	759,330	45,000	169.056	(3:100	192.551	3,400	79.721	216 394	2,312,375			
Total		150,400	959,336	200,300	797,248	9,700	192,551	8,000	168,616	375,394	3,336,776	1106,211	or 2874,511	29.99%

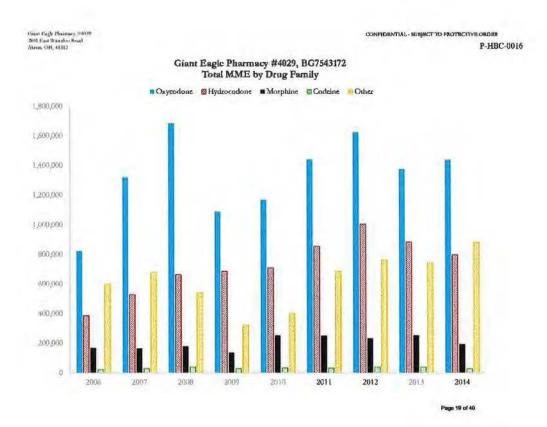
# Case: 1:17-md-02804-DAP Doc #: 3013-3 Filed: 12/18/19 59 of 108. PageID #: 445238 CONFIDENTIAL



Hujo West Etc.



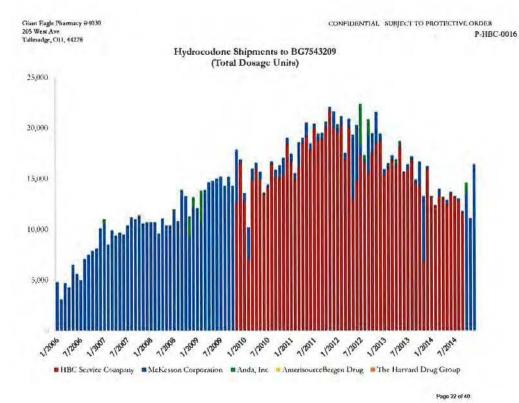


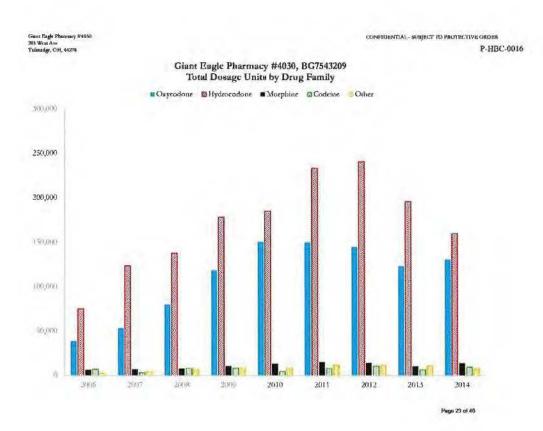


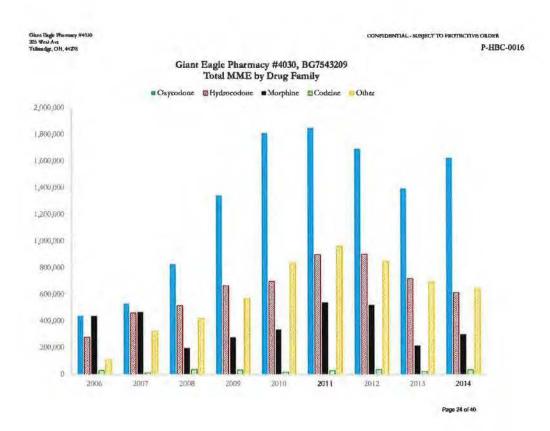
innt Pagle Pharmacy (1919) 15 West Ave										CONNET	DANTIAL.	vonhera, ic		нвс-оо
allmanlgr, OH 44278				Opinid 8	Silpmenn	10 LIG754320	9 by Disse	ibmar					r-i	HBC-00
						2006 2014								
Company	Sinte/Zip	Douge	one Hydra		reje	Bouge	neg	Ormego	arit.	Drocego	SIME	Average	Armage	MME
												Pharmacy MMB in County	Phermacy MME In State	Peronnille Within Store
						2006						1.0		
McKeason Corporation McKeason Corporation	PA 16101	38,400	292,703	74,700	276,355	6,200	430.229	7.00	193,752	128.560	1,288,545			
Total		38,400	292,703	74,700	276,336	6,200 (007	436,228	7,600	195,752	128,540	1,288,343	2,901,224	2,488,1%	39,21%
Ands, Lec Sods Physics Green's Jen	01143/25	0	)1	400	Colo	0		- 4	-	400	1,619.			
McKesson Corporation McKesson Corporation	PA MIOL	(3,200	352,124	123,900	-skillahi	6.900	465,864	¥ 100	74 6.08	190,052	1 205,497			
fond		33,200	364,121	123,300	455,854	6,960	465,864	3,100	74,039	190,452	1,787,113	5,221,465	2,665,429	39.1359
Ante to: Ante Phermarenciale Inc	01(4)(2)	10-	Ď.	дуны	9,091	0		×		1,000	9,981			
McKessen Corporation McKessen Corporation	PA 16101	77,500	\$19,539	134,490	505,250	1,600	195,863	6,000	237,679	236,315	1,979,236			
fond		79,500	549,5.89	1.37,408	sicin	7,600	195,082	6,000	237,676	239,275	L988,317	3,121,543	2,887,719	48.82%
Ande, Inc. Anda Pharmacetricals Loc	OH 15125			5,000	12,108	0	-	à.	.0	3,000	(1)06			
HBC Service Company HBC Service Company	PA 1530L			29,250	196,929	0	0	1200	30,911	30,450	111,570			
McKewon Corporation  McKewon Conjugation	PA 16101	Civares	393.586	145,760	544.171	incion	277.561	7,100	186,974	291,145	2750,500			
Total		118,100	893,564	178,519	663,408	10,600	277,563	R, 300	217,916	323,595	5,887,008	4,458,261	J,121,330	36,07%
HBC Service Company HBC Service Company	PA 15701		- 10	Lanc	£11,730	W.	1,0	4 500	93,244	176, Del	649,116	1		
McKewon Corporation  McKewon Corporation	PA JAVA	1,60,500	1,877,966	10,500	60,900	15,400	334,966	South	Lings	164,570	(04/,247			
Tetal		150,300	1,207,586	165,084	695,651	17,400	114,664	4,780	105,811	M1,960	4696,563	5,684,266	3,169,759	26,85%

Funt Eagle Plearmacy # 4010. 03 West Ave Jalonstige, Obt. 44278										DONNE	OHNTIAL.	sonjectro	PROTECTO P-1	ин окын НВС-00
				Opleid t	Sulpments	to BG754320	9 by Diecr	lboine						
		Oxyen	Oxyrodone		Bydorodow		Marphine		Codelna		12	Dong Pamil		
Company	State/75p	Desege	mB	Univege	int	linsage	andi.	Dusage	mg	Doesge	NEMER	Average Pharmacy MME in County	Average Pharmacy MMB in this to	MMK Percentile Within State
HDC Server Company	PA 15301	w.	ø	723,170	A30,629	39	10	7,100	172.986	250,570	656,467			
McEryan Corporation	PA IAIGI	149,660	1.253.629	10,200	66,163	15,000	5.56,056	500	11.12A	187,345	3,418,402			
Social		149,800	1,233,629	233,570	896,792	15,000	538,656	7,999	183,312	417,936	4,224,889	1,934,211	3,391,090	23.516
		_			_	2012		_	_					_
And Phonoisman for Solution	O1143123 FL 3331	3,600	31,316	500 5,500	27,243 2,279 24,971		0	0		9,600 4,100 5,500	59,517 59,544 38,973			
Hit because to opens	PS relief	44.	39.	207,330	797,654			5,300	190,069	NA SAE	787,964			
McKeison Corporation McKeison Corporation	PA 36101	141,000	1,106,160	25/430	113.921	14,200	520,158	2,100	48,622	194,355	5.148,034			
Total		144,600	1,121,276	240,630	200,648	14,200	\$20,156	10,466	138,491	421,475	3,996,143	3,715,673	3,250,789	23,315
			_			Nits				_	_			_
Analy, Jan. Viely, Jon.	FL 33331	18	0	200	4,238	9	-	18	10	900	1.234			
HIC Service Company HIC Service Company	PA (530)	-30	0	(83,040	661,520		9	5,100	137,924	169,140	691,974			
Million of Experience	PA 16101	(77,800)	929,656	(1530)	57,181	60,300	215,222	500	M MIC	155,959	2,355,645			
finit		123,800	929,656	195,770	717,239	16,200	215,222	6,680	146,214	345,779	A041,757	3,537,090	J,814,154	.5.52
7.1		_	_		_	2074	_	_	_					_
Anda, Inc Anda, Inc	FL 33351	- 6	a	1,000	4.541	0	-	500	23,101	1,590	7,856			
HBC Service Company HBC Service Company	PA 15301			Delta.	401 /A	18	0.0	5,000	110,505	120,700	450,101			
McKesson Corporation McKesson Corporation	UA 16101	00,400	1,082,748	41,070	177,980	13,900	2%,345	€.000	21,810	199,670	2,751,369			
Total		130,400	1,082,748	159,776	611,246	13,900	28,80	2,300	224,416	121,876	3,309,345	3,164,211	2,674,533	31.73

Page 21 of 40

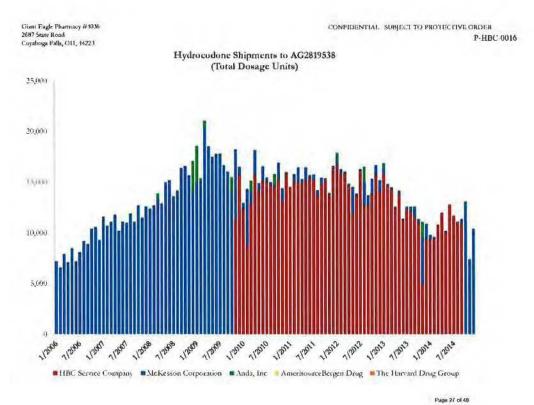


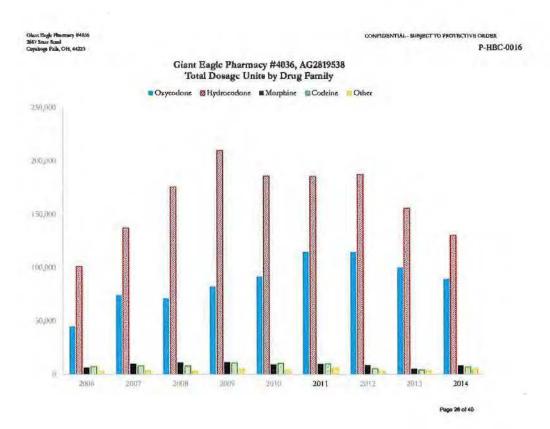


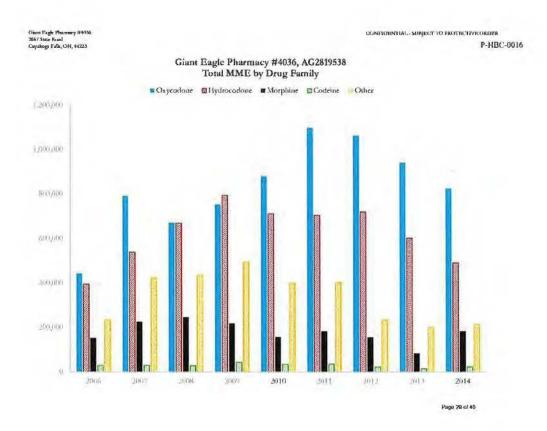


Rant Eagle Pharmacy #1036 687 State Road Cuyahoga Palls, OT1, 44223		Optoid Shipmens to AG2819538 by Discibitor									CONFIGENTIAL SAMPLEST TO PROTECTIVE ORDER P-HBC-0010						
		Oxyone	lone	Hydraes	idone	Morph	live	Cudeh	NA.		12	Ding Famil					
Courparty	State / The	Downski	m.M.	Dimage	my	Disage	m#	Prisage	ing	19олаци-	MACH	Arcrage Pharmary MME In Cannoty	Average Planmacy MME In State	MMR Percentille White State			
						2006											
Ands, Inc Ands Pharmaceuricals Inc	041+103	14		Le.	.54	Ye.	119	The little	14	0.	35/1						
McKesson Corporation McKesson Corporation	PA JATHE	44.9400	794,191	1637/194	993,066	7.30	15(.)52	749	186,595	163,635	1,248,433						
Petal		44,900	294,492	103,000	193,45d	6,200	INI, ISZ	7,400	188,595	142,658	1,248,7.89	2,904,224	7486 196	60,4474			
McKesson Corporation McKesson Corporation	PA 16101	74,901	585,715	187,360	539,134	100,00	क्षा तुष	4,000	191,984	7,51,560	Z,005,090						
1 'select		74,100	527,712	1.57,306	5.56,134	10,000	225,224	4,100	191,984	232,900	4,005,030	(J.M.)885	2,665,429	45.16%			
Ands The Ands Phanese essieth for	OH 43125	91	и	1000	13,602	-		9	T.A	1500	11,622	q					
McKesson Corporation McKesson Corporation	PA MIN	71,300	417,351	172,260	454,977	(1,000	245,152	7,000	179,755	269,285	2032996						
lost		71,300	407,853	175,760	668,618	(1,100	245,452	7,900	179,735	268,785	2,816,587	3,121,543	1,847,719	47.45%			
Andz Inc		- 0	- 6	5.600	26,345	i i			- i	5,806	26,4,16			_			
Anda Phannas extends lim. Anda, lor	OH 43125 FL 3333	0.0		5 100 700	23,551 3,784		7	9	4	>.100 700	3,764						
IDC Service Company HDC Service Company	PA-15991	-8-	ű	27,140	99,316		n	1.900	-9030	70.540	105,253						
McKesson Corporation McKesson Corporation	PA 11.50	62,90	503,771	1/6,660	567,829	11.300	216,952	9,100	244,920	294,555	A168,0%						
Total		32,300	501,771	202,000	79.5,486	11,.100	214,452	10,500	214,781	318,695	2,400,516	44.86,261	A121,130	4.8			
Arabe, for Analo Planemaccuturals inc	OH 13125			208	56k	-	- Tr	0	9	200	.568						
HPM Service Company HBC Survice Company	PA 15301		-	168,160	611.031		u	10.554	221.010	176,160	644.980						
Mt Kesami Campopation Mt Kesami Campopation	PA 16101	21,600	- 318	15.630	91.828	9,100	155,664	200	6,630	120 865	1,527,523						
												Page 2	5 of 40				

Frant Engle Phanuacy #4036 2687 State Road										CONVI	DENTIAL	aunjisch To		HBC-00
uyahoga Falls, O11, 44223				Opioid !	Shipmenu	10 AG281953	8 by Dien	burer						
		Onyone	Some	Hydrogo	Akerne	Morph	line	Code	can		0.0	Drug Vanis		
Company	State/Zip	Donage		Disage	mg	Douge	mil	Downer	wy	Donege	MME	Average Pharmacy MME in Comm	Average Pharmecy MME in Seets	MME Percendie Within Super
Total		91,600	586,535	185,790	711,290	5,100 2011	155,664	10, led	127,640	501,045	2,186,676	3,004,298	3,144,719	49_15%
HRC Service Company HBC Service Company	PA [550]		0	199500	158,143			4,00	165,648	(89.8%)	1/84/040			
McKesson Corporation McKesson Corporation	PH 55,145	111800	732310	6.000	49,574	9,700	181 162	1100	45,307	136,105	1,738,175			
Total	74,34,01	114,500	732,214	(85,670	794,766	9,780	181,362	9,600	130,955	325,975	2,422,215	1934.01	J.91.098	- 30.00
197		2,940	1000	0.540		2012	- Care		Carly-ce:		-9-29-0	3080	16.16.0	
Anda, Inc Anda, Inc	FI MAN		0	1000	V,684	5		10	0.	2,000	3,081			
HBC Service Company	PA ISWI	À.	10	Name:	646.911		1.5	1200	141.446	177,491	668.136			
McKesson Corporation McKesson Corporation	PA 16101	114.600	709,231	1.100	0.1,646	a 500	154 536	-9	0	137 102	1,514,866			
Total		114,600	709,221	187_190	710,638	8,500	184,546	5,300	111,446	316,592	2,192,077	3,775,673	3,256,789	Alden
Anda, for Anda Ise	FL)3011	140	4	1.900	Alli	0.			ò	1,900	Sugn			
HBC Service Company HBC Service Company	PA 15501	746	in the	144,640	S49340	10.		100	56,303	187560	prosen			
McKesson Corporation McKesson Corporation	PA 16101	101,000	617,774	9,609	45,500	(000	62/966	100	34,311	100,100	1,544.416			
Food		100,000	627,774	(35,640	647,520	3,000	62,946	4,290	90,614	268,170	1,840,437	3,5 57,090	3,014,154	57.57%
Anda Inc	FL 33331	08	10		- 0	w)	- i	1 1292	.22,101	1,000	3,315			
HBC Service Company HBC Service Company	PA 15301		19-	- 500	101,411			2.00	30.63/	100,600	371,041			
McKesson Corporation McKesson Corporation	PA 16101	89,400	519(41	\$2000	131,464	4,400	192,023	1,400	75,145	118/400	1,356,175			
Total		59,400	549,641	(30,500	467,984	8,400	182,023	6,864	146,077	240,100	1,7.18,5.30	3,106,211	4,874,541	39,485
2006-2014 AVERAGE		87,022	552,920	163,177	624,525	0,021	177,226	1,789	187,685	278,786	1,996,445	3,455,945 Page 20		12/10





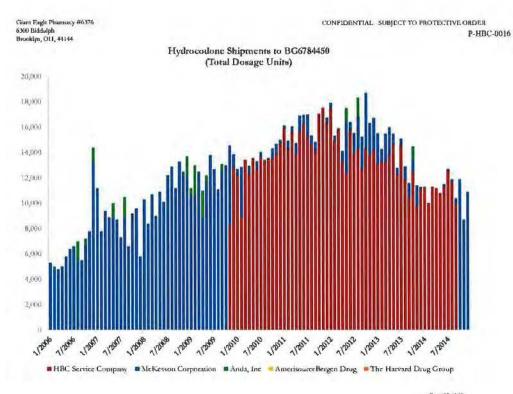


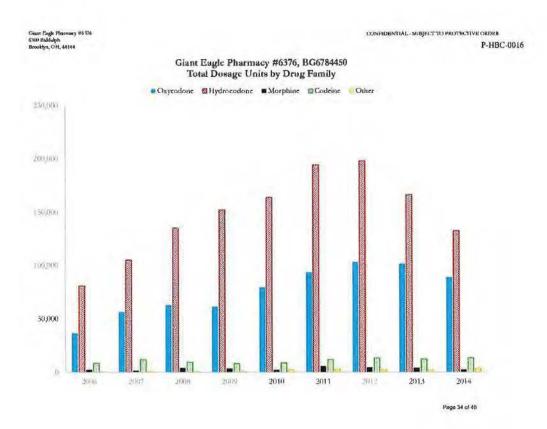
Sins Page Plannery #4176 Sestimatelyti Brookha 13H, 44144										CONTH	DEMUNE.	sonject n		HBC-00
ACCOUNTY TO A STATE OF				Opinid 8	Shipmenra	to BG678445	0 by Diete	lbusar					•	IIIC GO
		Owycoo	lana	Hydroce	idania	Morph		Code				Drug Femil		
Соокрану	Suit /Ap	Design	mig.	Donnge.	uni	Douge	mg	Desage	my	Пенце	MME	Assunge Pharmacy MME In County	Average Plantnacy MME In State	MMR Presentite Within Nume
	_					200								
Anda Pharmannecali Im	01143125	.0	- 4	- 22	15,519	0	-	4		1.701	15,319			
McKesson Corporation McKesson Corporation	PA 16101	16,500	194,396	77,600	321.259.	2 700	56,961	5,400	200 960	125,049	#100 San			
Daniel		36,400	194,302	904,806	354,578	2,500 2007	56,961	H <sub>4</sub> desd	209,960	129,245	111,260	1,655,287	2,685,196	74.94%
Anda, Inc						9000			_		_			
Amia Phannacyumais Inc	00143025	39	100	3,300	9,481		-	- 1	.00	7500	9,681			
Mr Kesson Corporation Mr Kesson Corporation	PA 1610L	56,400	290,421	(02.560	436,464	1.500	78,436	11,200	2/8,307	172,646	1,127,804			
Total		56,400	290,731	105,000	445,495	1,300	26,426	41,760	214,101	115,140	1,136,883	1,565,776	4,660,425	66,63%
Anda lac			_		_	DANS			_					
Ande Pharmacenticale Inc	OH 13123	0		1.500	(.90)	00	TY.	10	- 40	1,500	5.00			
McKasson Computation McKasson Computation	PA 16101	62,800	3(3,954	155,700	318,850	3,900	77,145	9.400	226,600	210 278	1.286,207			
Total		62,800	313,254	L35, 200	524,149	3,900	77,149	9,400	226,609	211,798	1,291,504	2,619,372	2,887,715	64.275
		- 111		1,7700		3907						T. March		100
Arcia tracamente de la	OH 43125	0	9	5,990	22,551		- 1	.0	- 4	5,987	22.551			
HIC Service Company HIC Service Company	PA 15301	70.	- 4	23,620	73,450		- 0.	1,501	1691	77,779	83,131			
McKesson Corporation McKesson Corporation	PA 16th	61,400	146,649	(25)000	477,417	1,400	15.576	6,900	179,016	197515	1,571,875			
Total		61,400	300,649	152,020	578,500	3,400	15,576	5,180	209,960	223/495	1,577,538	2,316,101	A121,530	66.77%
Anda One	OH 4 1125		- 0	630	1 969	10	- 6	i.	12	- 0	1.958			
HIR Service Conquing HIR Service Conquing	PA 15301			153260	761,356	_		1 807	outer	164-460	\$14825			
McKesson Corporation												Page 3	roi an	

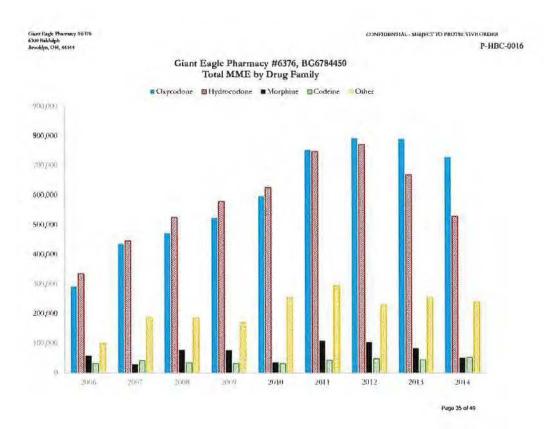
Ginns Pagle Pleannary Và 17h 1991 Neklalph Brooklyns OH - 14744										CONM	DENTIAL.	MUNIFER TO		теколык НВС-00
				Oploid S		ic BG678445	0 by Dier	lbutor						
		Ongood	ana.	Hydroed	done	Morphi	ine	Code			-0	Uray Famil		
Соверану	Smir/Zip	Dose ger	mg	Danige.	ing	Distage	inft.	Daveke	ueli	Thosegr	SIMIK	Average Phermany MMB in Causes	Average Phormsey MME in State	Perconnille Wittle State
McKesson Corporation	PA 15(0)	79,400	397,852	7.690	99.024	2.090	\$1,743	300	4525	110 150	920.94)			
Total		79,400	197,852	163,950	625,130	2,000	34,742	8,890	200,854	294, 000	1,543,747	7424313	3,168,759	62.86
Anta Plumore and for	01143125	100	A	140	154		Te	ū	À	(00)	451			
HPC Service Company HBC Service Company	PA 1150	la.	Ŕ	186,990	711,170	in.		10,719	251,951	197 600	79(96)			
hic Kesson Corporation Mc Kesson Corporation	PA 16101	91,660	501,641	0 (50)	35,690	Aire	104,418	1.300	28,731	110 380	1.194.100			
Parel		31,640	501,681	194,450	747,115	A,400	106,410	11,700	280,683	.404, 440	1,945,523	2,515,750	איס, וויכ,ו.	58,565
Anda Inc Anda Phorme core do la-	OH 41/25	1,86	4,45 1	7,500	1(30)	Ĥ	u,	2	.0	5,907	16,075			
HBC Service Company HBC Service Company	PA 1530L	m	- 6	173,310	661,308	- 0	0	12,900	301,594	154,210	707,057			
Mr Kesson Corporation Mr Kesson Corporation	PA 16101	102,109	523,750	22,450	96,039	4,600	103 171	100	11,597	132,002	1,218,066			
Total		107100	128,263	196,260	779,696	4,600	103,174	13,600	316,591	321,712	1,914,198	2,564,254	A 250,789	39.435
Anda, Inc Anda, Inc	FL 33501	(r)	- 6	1,600	3,027		-0		-	1.000	3,027			
HIIC Service Company HIIC Service Crategory	PA 15301	140	4	151,190	58A ,078		ū.	9,000	221,000	#94(D)	621.229			
МеКезман Сопролийся МеКезман Сопролийся	PA 16101	107540	876470	54, NW	77,478	4,100	42,144	5,000	(1,767	184,279	),315,576			
Tarel		101,400	526,474	166,420	645,383	4,100	<b>62.84</b>	12,500	292,717	286,395	1,839,784	2,895,942	1,014,154	57,665
Ande, Lin Anda Iro	11.100	0	v	78.	30	0	n	vi -	1.00		1479	0		
HIK Service Company HIK Service Company	19k 1100	- 0	à.	100,000	905	-		4,700	NO.	109,500	410.390			
Mr Kesson Corporation												Page 3	olan	

## Case: 1:17-md-02804-DAP Doc #: 3013-3 Filed: 12/18/19 75 of 108. PageID #: 445254 CONFIDENTIAL

tions Cade Phonocy Co. 10 Live Fed Light Namidlys, 1711, 18664				Opioid:	Shipmente	to BG67844	U by Distr	ibuluç		G. 69 II	H-X LIAL	SEMPLE I II		ИВС-0010
		Ovycen	lime	Hydrocr	sdone:	Morph	ine	Code	ne.		(2	Dong Family		
Company.	Star/Lip	Hmajo:	ing	(Sers.age	.my	Disage	mx	Duvage	ind	Diverge	MHE	Phoneses APME in County	Average Plannacy MME in State	Wittin State
Helferson Corporation	PA 1014	45,940	85,769	(Stand)	133,571	2300	50 760	+100	0236'S	116:30	1 (66 58)			
Total		88,900	495,769	ENLANE.	527,869	2.50	50,760	13,400	M7,595	240,780	1.597,706	1,792,413	2.874,333	6291%
JONG JOHN AVERTAGE		75,989	ME 396	titals.	590,855	3,854	49,417	10.864	263,233	257,373	1,495,20%	2,111,213	1.981,669	61.05%



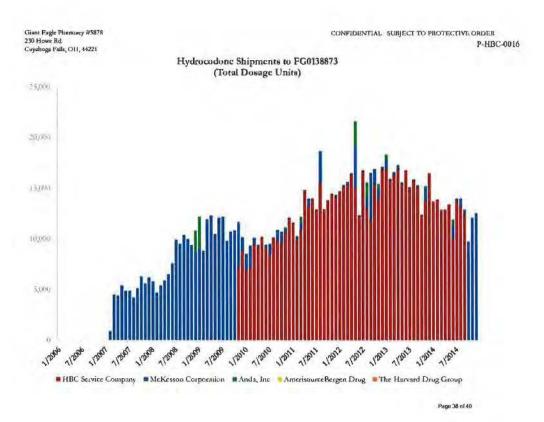


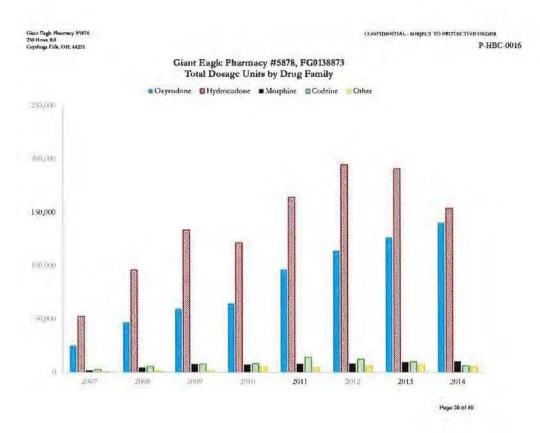


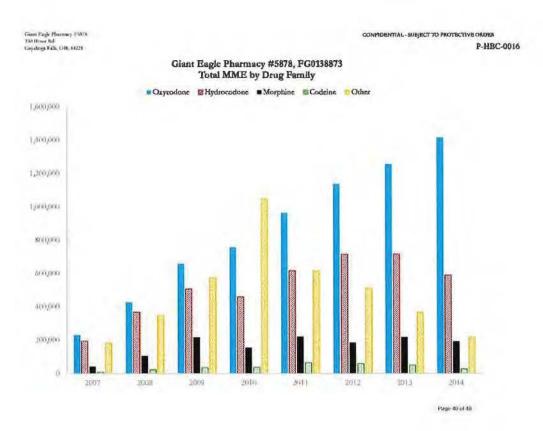
Cirani Ragie Phaimscy #5#78 230 Howe Rd Cuyahoga Palls, OTI, 14221 CONFIDENTIAL-MIBJECT TO PROTECTIVE ORDER P-HBC-0016 Opiold Shipments to PG01.88873 by Distributor NDM'S Average Average Plearmery Plearmery Plearmery Percardia MNH Millian MNH In Willian County State State Sme/Zip Douge mg McKesson Corporation
McKesson Corporation PA 16101 24,900 153,526 52,400 195 103 1,609 47,608 2,800 58,552 62,175 653,578 Total 24,500 153,326 52,400 195,513 1,800 40,686 2,009 10,352 82,175 653376 AZZ1,865 2,665,429 \$1,97% Ands, Inc Ands Pharmsceubook Inc Ands, Inc 2,206 7,268 0,051 1,223 2,260 A1691 200 7,263 6,0% 1,217 O1143125 El. 0334 McKesson Corporation

McKesson Corporation 19/10/94 47,000 364773 93,720 841,391 4,700 101,260 3,4(4) 150,257 151,865 1,264,647 154,045 1,271,612 3,441,545 2,887,719 66,7416 Total 4,300 150,287 47,000 284,773 95,924 367,465 105,280 4,400 Anda Inc. Lada Phannas concal, In-VEHCE HO 3,000 14321 3,000 14,521 HBC Service Company HBC Service Company PA 15305 16,078 61.100 1300 35,362 17:390 66 494 McKrasen Corporation Mt Krason Corporation PA 16101 59,500 138,617 114.166 434,005 7 500 215,024 195,665 169,275 1,916,121 439,847 Total 59,500 4.15,250 596,626 7,500 215,824 7,860 209,665 1,987,047 (ASI,96) \$121,580 52,695 211,047 PA 16191 504,416 9, 500 504,414 121,599 459,844 7,100 154,160 245,321 2,455,107 ABB4,288 3,348,759 44.71% Anda, Inc. Anda Photosaccount of the GH 43125 100 v.im-3,7% HBC Service Company HBC Service Company А PA Dábi 158,460 101,07 4 344/776 635 101 МеКемон Согранцією МеКемон Согросиван PA 16101 96,400 AADOM III £300 230,562 3,500 67,613 117,625 1,842,555 Page 38 of 40

3007-2014 AVERAGE	Twisi	McKenne Conjunction McKenne Conjunction	HBC Service Company	Anda Physonic com di lor Anda Im	And, inc	Total	Slu Kratna Carporetian McKesaar Carporation	HBC Service Company HBC Service Company	And, iss	Node the		Total	Ne Reyear Corporation	HBC Service Company	Anda Im Anti Humaniyai ha	Total	Continue		230 Howe Rd Cuyahoga Falls, OH, 44221
		PA 16101	PA (3.501	PL3331			PA 16101	lorsi va	FLISH	0845135			PA 16101	PACK NA	OH 43125		dra, coop		
84,000	160,220	140,200	è	+ 2	+	136,400	126,400	4		2.6		Division	111 200		a.	W.480	Desegr	Describero	
178,621	944,119	617776	6	3 =	0	837,676	837,676	7				759,041	110,655	E	3	642,597	2	ļ	
1.86, 1.89	Matris.	39,096	116,000	900	600	190,946	3,400	187,060	300	9965		191,598	13030	179,000	5400	161,100	9	18	Optaid 8
576,754	58A,577	141,142	41 443	7130 108	1412	715,674	31.000	451,497	2,491	1007		711,390	18.30	0.02/990	16,143	616,968		1	dipment
7,013	10,190	16,140	2	8 4	٠	3,400	9,000	2	W	2.0	3913	4,100	\$,100	x	×	7,900	- Constitution of the cons	Manghase	Oploid Shipments to FG0138873 by Distributor
166,389	192,457	192,417			+	217,027	111/922		Ļ			145,216	185,216	rE'	2	228,562		949	3 by Distri
III.	4,280	3,900	120)			10,000	2,709	1,900	Ġ.			12,380	1,300	10,00	a	14,300	-	d'adepar	bulor
METER	179,018	M.779	40,244			305,500	21012	75,475				389,160	31,134	MONE		413,494	2		
311,031	JU,625	185,58	119,500	900	660	344,592	H9.233	154,860	360	306		334,617	142,047	188,170	4,400	98C'LIK	į		
2063/166	2,441,661	1,982,199	0.076.0	303	24.F	3,684,879	1,568,514	115.73	2,491	SUP.		3,540,9%	1,008,133	\$85, Ton	EMO-SI	2,81,455	-		
Troums	3,196,211					3557,096						3,775,673				IR'MSY	Phonesoy MME to County	Hone Pauly	P-HBC-001
3,846,750	2,074,535					3,014,154 42,36%						3,775,673 3,250,781 45.38%				T'hal' bad	Placementy F		P-H
STAN	44.51%					42,36%						45.31%				#36%	Percentile Winter State		P-HBC-0016







Cuyahoga - 2009-2014 - Annual Totals CONFIDENTIAL SUBJECT TO PROTECTIVE ORDER

	Dusage (	lniss To Giant E	agle Pharmacies						
		Hydrocodon	c						
Goyahoga, OH Total 10,103,720 3,143,510 186,400									
Year	Month	HBC Service Company	McKesson Corporation	Ands, Inc.					
2009 Total		107,820	1,888,650	55,700					
2000 Total		2,006,300	190,210	9,900					
2011 Total		2,335,950	114,920	3,300					
2012 Total		2,170,450	288,140	.77,000					
2013 Total		1,952,700	194,070	33,200					
2011 Total		1,530,500	167,520	7.500					

Cuyahoga Annual Totals

P-HBC-0017
CONFIDENTIAL SUBJECT TO PROTECTIVE ORDER

Year	Month	HBC Service Company	McKesson Corporation	Anda, Inc	AmerisaurceBergen Drug	The Harvard Drug Group
5006 Total			9(13,200)	5,900		
2007 Total			1,422,000	20,000	600	500
2008 Total			1,957,970	37,400		
2009 Total		307,820	1,888,650	55,700		
2010 Total		2,006,300	190,210	9,000		
2011 Total		2,335,950	114,920	3,307.		
2012 Total		2,170,450	388,140	77,000		
2013 Total		1.952,700	194,070	33,200		l.
2014 Total		1,030,500	467,520	7,300		

P. HBC-0017 Summit 2009 2014 Annual Torals CONFIDENTIAL SUBJECT TO PROTECTIVE ORDER

	Dosage U	Inits To Giant E	ugle Pharmucies	
		Hydrocodon	e .	
Sommit, OH	2,517,220	171,000		
Yest	Monile	HBC Service Company	McKesson Corporation	Anda, Inc
2009 Total		246,580	1,581,340	57,100
2010 Total		1,659,920	149,700	27,200
2011 Total		1,990,250	109,060	4,800
2012 Total		1,979,720	102,360	54,680
2013 Total		1,788,690	136,410	25,700
2014 Total		1,327,200	,388,350	1,600

Summit Annual Totals

CONFIDENTIAL SUBJECT TO PROTECTIVE ORDER

Dosage (	lnits To Giant Eag	de Pharmacies	
	Llydrocodone	1-1-1-1	
Summi, OH Total	8,892,360	6,347,310	227,500

Year	Month	HBC Service Company	McKesson Corporation	Anda, Inc.
2006 Total			912,760	9,700
2007 Total			1,307,300	13,800
2008 Total			1,610,030	34,000
2009 Total		246,580	1,581,340	57,100
2010 Total		1,659,920	149,700	27,200
2011 Total		1,990,250	109,060	4,800
2012 Total		1.979,726	163,360	54,600
2013 Total		1,788,690	126,410	25,700
2014 Lotal		1,227,200	388,350	1,600

Off 2009 2014 Annual Totals Confidential Subject to Protective Order

	Dosage U	Inits To Giant E	agle Pharmacies	
		Hydroculon	t.	
Ohio State To	sed	68,893,060	1,248,600	
Year	Month	HBC Service Company	McKesson Corporation	Anda, Inc
2009 Total		1,893,280	11,913,230	416,700
2010 Total		12,752,630	1,476,750	184,700
2011 Total		15,193,050	1,036,390	66,400
2012 Total		15,017,970	1,750,720	372,000
2013 Total		14,095,430	1,227,080	175,990
2011 Total		10,030,700	3,224,170	32,900

OH - Annual Totals

Dosage Units To Giant Eagle Pharmacies

F-HBC-0017 |
CONFIDENTIAL SUBJECTION PROTECTIVE ORDER

Ohio State Total		68,893,060	49,182,810	1,646,400	600	500
Year	Month	HBC Service Company	McKesson Corporation	Anda, Inc	AmerisonreeBergen Drug	The Harvard Drug Group
2006 Total			6,800,440	43,180	14	141
2007 Total		51	9,605,620	94,000	600	500
2008 Total	1		12,148,410	260,700	4-1	- V
2009 Total		1,893,280	11,913,230	416,700	- 1	340
2010 Total		12,752,630	1,476,750	184,700		- 1
2011 Total		15,193,050	1,036,390	66,400	- 8	1.0
2012 Total	7	15,017,970	1,750,720	372,000	4-	14
2011 Total	0	14,005,430	1,227,080	175,900		12
2014 Total		10,030,700	3,224,170	32,900	6	100

Nationwide 2009 2014 Annual Totals CONFIDENTIAL SUBJECT TO PROTECTIVE ORDER

		Hydrocolin				
Nationwide T	oud	145,671,620	145,671,620 44,350,280			
Year	Month	HBC Service Company	McKesson Corporation	Anda, Inc		
2009 Total		3,918,690	24,947,850	891,000		
2010 Total		26,689,710	3,007,150	321,500		
2011 Total		31,387,810	2,390,280	190,100		
2012 Total	-	30,686,120	4,257,770	785,100		
2013 Total		30,493,590	2,501,880	395,400		
2014 Total		22,495,500	7,245,350	94,410		

Naugnwide Annual Totals

P-IIBC-0017

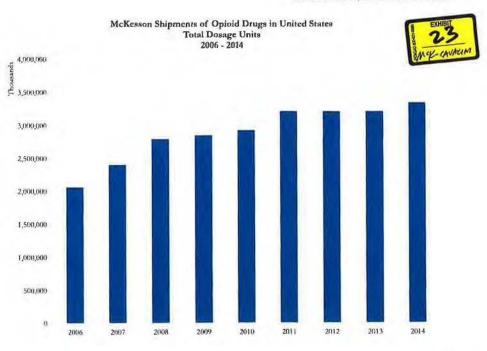
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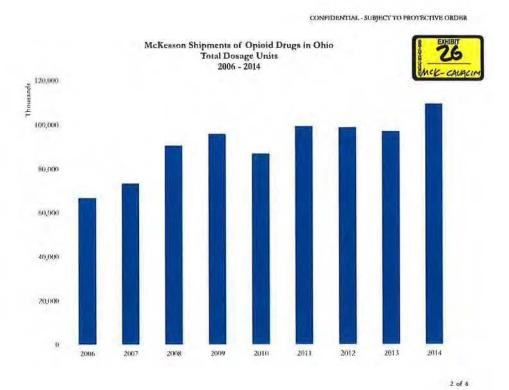
				Donage	Units To Giant !	Tagle Planos	ic fice			
					Hyliconik	M				
Yakemile I	test	145,671,626	HA192,750	3,767,681	22,000	7,600	T/000	560	500	100
Year	Mounts	11111: Service Company	McKraus Carporation	Anda, luc	Top Rs. loc	Gardinal Floath	Goodals Drog Co	AmerikourreBergen Drug	Deng Group	Actach Pharms Inc.
Intelligence			MLF-25-MIG	195,300	5,300	-	500	-		- 3
Sec Total			24,775,988	35-3, 800	4,500	2,000	New	160	168	-
Son Total			36,636,746	362,560	7,100	-			100	304
MANUT PRINT	-	5,703,650	24,947,859	(000,000					- 20	-
Territ orp		35,180,710	A,867,856	321,900		-	-			-
fast total		11.357,610	7,540,284	F99,400.				_ <	~	-
helf Treat		50,486,170	4.257,776	787,140		-				
2015 Toxal		30,650,750	£641,640	PS, 800	_					-
may Treat	14	22 (04.10)	2,345,356	76481	-					

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## Appendix D Additional McKesson Figures and Tables





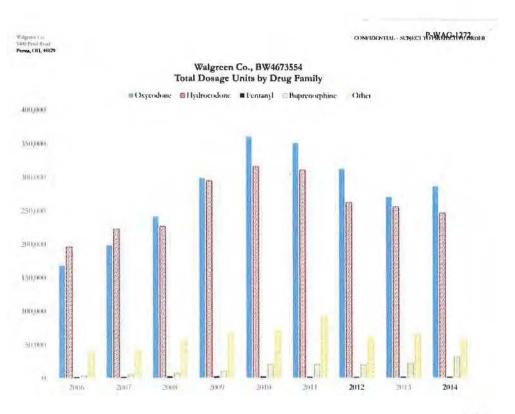


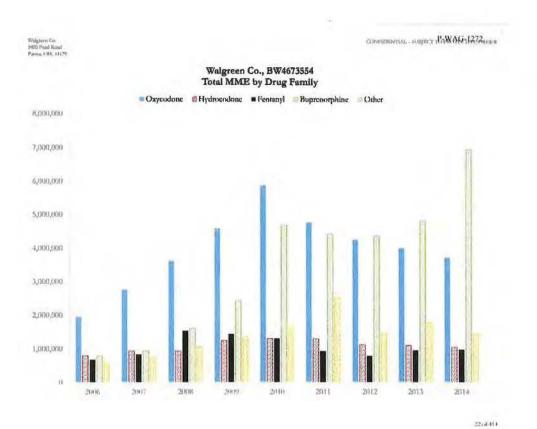
Case: 1:17-md-02804-DAP Doc #: 3013-3 Filed: 12/18/19 91 of 108. PageID #: 445270 CONFIDENTIAL

Appendix E Additional Walgreens Figures and Tables

				Opioid 8	Shpments a	Opiold Shipmenn to 6W46735M by Distributor	by Diguit	ntor						
Campany	Super/72kp	Dange a	Jun Jun C	Hydricedyna thease	-	Dange n	,	Buprenapitine Douge rnd	and	1	000	Average County Average Plannacy AIMS to	Pharmacy MME in	Pensandle Widdin
						3000						Caunty	Shike	State
Carlema (Reski)	WY 36001	wats	96.18	25	12724	3	35	9	36.661	18,407	Spenyani			
Edgeworth	FEL 59400	163,280 08,331 0	CALCAL CALCAL	0 0 0 0 0	HEAD!	85°	8.AU 8.531 0		900	086,881 086,881	2000	Table 1		
Total		165,200	179971	196,100	\$25,100	140	699	3/428	38,481	489,547		1,786,124	5780'865	147
Carteral Health Carteral Health	SY Man	3	OLW)	93	NOR	n	Ŕ	2380	13,984	16.00	SAN, VPR			
Wildows Co.	KINA H	197,000	1,784,746	718,200	912,900	1,456	13	2,190	May Co	•				
Wilderson Co.	1350 110	182501	1,318,267	318,316	912989	3	100%	1190	17,390					
Total		800'661	1,549,880	22,70	941,739	101	3	4,716	11/61	48,449	NY TOTA	2,051,719	2,463,107	E24%
Carland Spots Carlbul Hodds	W/ SOUL	85	Metro	Ē	N2.81	118	151	Ē	1,000	14,063	19720	3		
Wagness Co.	1989 (886)	233,963	2329.30	223,000	915,300	2,580	14,860	2000	51,980	187.73	8,415,096			
Total		343,100	2,419,360	227,960	87778	2,423	1979	是/	21,780	516,343	A.777.730	1,151,79	1,2MA,270	4519
Cashmi Health Cashmi Health	W.Son	Nun	116,445	3	MUNICO	n	ā	Thur	150	Will	( and 300)			
Walgaren Co. Walgaren Lo	CTH 43581	29,900	29473031	204,749	1,314,341	2340	1973	16131	65.046	144.30	245,474.			
Teel		299,400	1,065,565	294,980	120,06	2343	1441	10,380	11,240	57.43	ILOBASTIS	2,594,419	3,713,446	4,96%
Cachad Health Control Health	(00% Am	19/01	100001	100	1600	-5	7	(8)	Second	11000	ilksim			
Walgray v. C. to	CHEENSI	180,440	1,753,421	11 3,020	105.85.1	1822	DAY	13.50	129 440	115,190	12.7 W. 6.78			
Thesi EXHIBIT WIE CLASS TATE	Tuber.	161,190	3,923,864	114,100	1,394,154	4	10.41	8518	3	173,485	14,981,680	द्वारशंर	3,951,106	ś

						f10100	insid (d	155CZ9F.AAD 0	e sanaradıq	S pando				
nema nemanag nemanag	Successive States	chain I gardi ngerst. memicals	ONEN (2)	Speeds	July King	police male	<i>p</i> .e.	enterior of the state of the st	this said	esentieff esenti	There sales	igond igond	differen	blacelinger
ensk.	arry	tourne's						Hor						
			1999227	M ( ) A	4(8, %	4511		56	100	9(1)	HIM	make)	10000	defined the release of
			Station.	w(F7)))	mb/je.	pile.	411	(924)	montes v	resemb	MILITY.	188,487.	ASSERTABLE	- production of the state of th
161	1999	Freiter's	468'296'11	49.00	(seem)	102,02	25.5	188°T	1176671	DW-TH	ment	009'151		fer-Y
			-		10000	114 11		789		179.7	77,14	7100	1000	- drive of 4 Samples
			100	man.	1415/7-	1671	79.2	14	arga)	494.7	the NZ	+10.07	DANCE N.	of a way to
	WHIE!	in jury	SHOPE .	Dec 124	Take.	46.50	Mark.	m11/1	WEST CO.	196/297	204 ALALA	100 211	POST SHOT	-yunakey.
144	PATES	TO SHOW	08/51071	war 239	lgy'rei	40%		3160	000'62319	and there	and the same	0567211		(794)
			are series	TOTAL.	10.16	10,0	100.00	(46(1))	103.00	rinkin.	MACH	000	ancho	med traperty
			1000	193	140	AC.	40	7	5,30	H		SA.	1006.10	- A Alm - Alme
			HALL SHALL	82.69		(65°)	40	16-	14,114	157.0	1 627	191200	11996(30)	Although the other
			101,000,0	5-(8"588-	400.75	942'11	40	SW	GP14	0497617	100'10	0003	9401-11	in 2 strongle in 3 strongle IV
			LACKLY.	CHIE-	400	14.0 %	4.1	1.61	QU'ATE.	1990.64	100000	10000	3310.001	my sensity y
ANTE:	19070071	corners	Diffusion.	TEVER	HTSI	wister.	11416	682'4	LW'res'r.	ARE THAT	tiviers	000512		[max.]
			minositi	MESS.	156,10,	#21£	296	inger:	VA-Wrigat	10.5764.1	44/1402	mere.	24305-10-3	mod I in spadil some medi
			40.12	101	18.	14-		U.	10	4			1130 //	uni ation
			(9)(354	40016	***	mf+			- similar	Inhigh)			1607.0	- britanile (c.

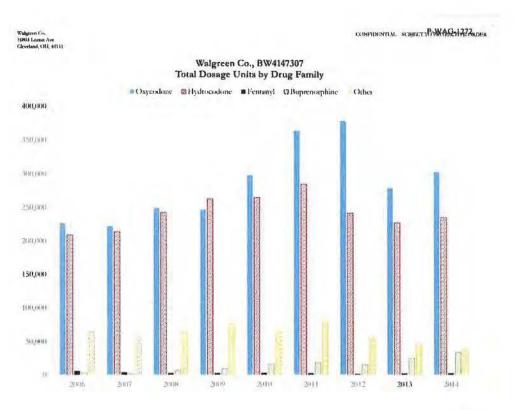


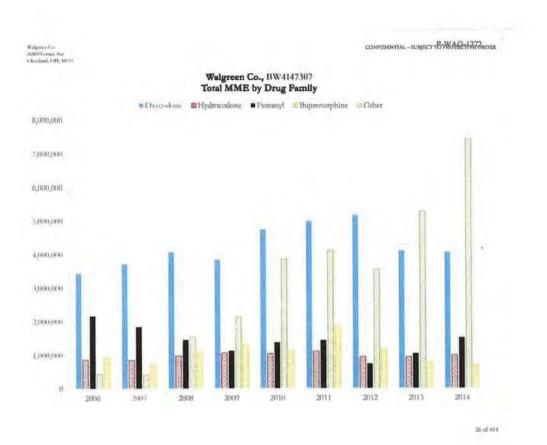


# Case: 1:17-md-02804-DAP Doc #: 3013-3 Filed: 12/18/19 96 of 108. PageID #: 445275 CONFIDENTIAL

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				Opinid	Shipments	m BW414736	7 by Dism	bana						
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Lasingsam	Santa / Zqr	Umage	mg.	Disage	rity	theags.	THE	Hosage	me	Thorys	MME	Promos MMI in Conne	Phonons MME -	NMI Percenti Water State
						States								
Landard Model.	W. S. (2004)	7,000	1111/06	Section	- les	79.09	1.440	1,110	000	30.00	99420			
Wagners in Walnut in	97:35619 1:46.45501	237,600 237,944	Zarekarta.	256, 446 No. 110	999,433 200,433	5,2460 (_y/a)	11,4%	-	# H	656,9960 514,556 724,564	RAILARN Transfer			
Entat.		227, HA	LOHAIS	20,000	941,452	6,509	21,168	(24)	14,760	110,221	7,684,749	1,7%,124	2,584,968	1.11
						1997								
Forting House	si wai	31.1/4	110,11	Lipsai	(509)	111	bu.	W	1462	Store	91,76			
Walisman Too Walisman Too Walisman Too	BY, LAPSE Tell CAVID	211,300 11,341 (m) 121	3,82,964 1 0,561 -711,941	277.110	424,346	3,660	(A)067 (A)09 (A)09	***	0,000	177,170 +1,030 mol.7m	5.84,915 511,500 109001			
Total		122,400	2,441,106	213,640	489,327	4,9932	18,354	1246	33,542	199,000	7,395,364	2,656,719	1,865,167	TAN
						2001								
Control (Scale) Control (Scale)	165 Year 5	4,637	mijere	1,576	100	10	286	C'e	Tipic	30,100	Hyl, ac			
Waterway to	THEFT	30.00	nist.w	265,041	010	±00	Otem	Silv	10010	MARK.	5,00000			
Total .		Aev,900.	2718,568	242,700	494,455	2,440	14,433	7,200	53,683	567,074	9,196,774	2,141,762	1,564,170	1.40
_						hery								
Landard Chestria Landard Chestria	30 300	494	24,379	100	H, Sell	96	76	Titre:	12342	300	NATION!			
Malgreen Co. Walgreen Co.	eltersylv	THEFA	(2810)	0.30	0.0000	200	passor	78.01	-0.00	99794	8,000			
French.		217,000	3,569,937	263,000	1,062,545	2,725	11,200	17,0141	74,181	199,545	3,445,646	2,891,419	3,113,136	649
						2010								
Condinal Mayora Condinal Majori	43,000	25,000	latora	4.80	Size.	70	101	(MI)	198	13.10	19920			
A speciel in Walnut and In-	100 03501	200.041	macon	30.00	120000	749	.0030	10.10	15,349	2000	DESCRIPTION OF			
Final		299,700	£86,975	265,140	1,011,011	1,270	15,691	16,630	129,014	649,221	12,795,917	1,164,125	5,951,105	1 84

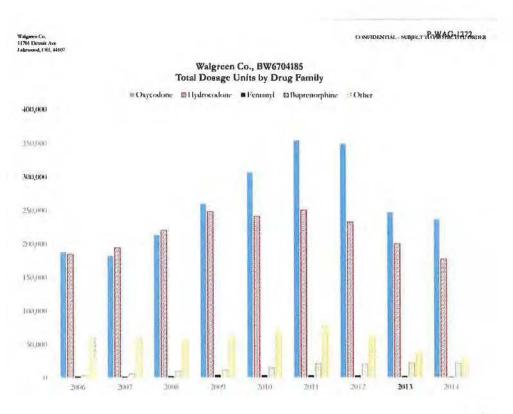
American College											(North A)	.P-WAC	e common Ali II I	N. I.
				Opmid:	Shipments	io DW4(47)	7 by Disor	Burger						
Funquery	State/Equ	Organi	ли	Hydroco Bessept	nkare mg	Pental	ing	Boperson	(ing	though	MME	Ong Landy Arrage Priorities MAII in County	Accrage Plantacy MME in Note	MMU Percentile Witten Starc
						201)								
month the side probabil Liketin	95 300 J	67940	75.945	1,900	14373		14	-0997	4000	11,636	3/(#(33)			
Subsection Wateriers	(00,000)	116,000	1,518.167	267.101	(040)	5000	3130	1962	****	70 (47	111.A(2)(1)			
Detail		164,im2	3,133,780	285,479	1,174,641	2,6491	(4,48)	18,152	156,429	251_56N	13,557,242	1,271,742	1,45,111	5 245
Saling Octob						2012								
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						3014								
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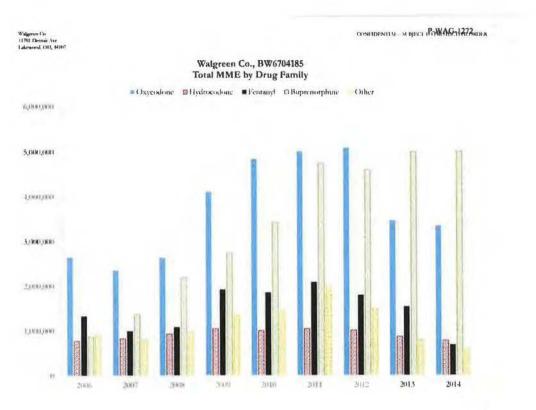




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k company	Name (20p.	Ouyen	neg .	Hydrox v Design	seleptur selep	Daniel Daniel	one one	Unpresser Desage	gilden	Donage	MMI:	Drug Parmiy Assesses Phartmary MME in: County	Assembly Philipping MMP in	MMI Fracent Widon
						2606								
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						2005								_
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Doral		190,000	1,179,229	194,500	828,009	1.565	9,961	5,840	95.771	HELE	4,352,126	1,851,719	2,564,197	2.9
						2008								
Cardinal Liquid Cardinal Charles	93,348	1.00	48.41.0	944	Simi	500	7,40,0	-50	Jan	1000	(w) (c)			
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food		213,200	1,759,646	225,000	925,952	2,254	10,651	9,540	78.No	301,064	7,921,688	2,451,262	1,768,910	7.8
						2002								
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Coket		No. com	3,710,002	345,440	1,011,688	4,100	18,499	13,520	91,419	EAS, VSI	11,172,990	2,894,619	1,718.636	18
						2010								
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				Opioid		*** HW670418	ls by Distri	kauni						
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						2911								
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Francis		555,000	1349.05	756,626	1,016,291	5,540	20,640	29,416	156,460	768,524	11,902,495	1,271,742	4,416,413	136
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Erest		ASPLEME	3,407,846	252,000	484,000,1	1,124	33,399	10,184	114,650	969,549	11,019.381	1,091,112	4,515,016	1.85
						3913								
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(-ca)		847,440	4,917,762	200,520	815364	2,171	35,865	12,01	104,764	509,527	11,000,000	1,016,671	1,000,585	7.02
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Videout Co.	N 4204	41		45.00	100.00		-		1,941	skettid	(sessu			
You at		2,66,7880	2,255,617	175,410	194,219	1,655	6,861	25,462	362,111	168,507	10,119,792	2,942,898	4,769,419	1996
ARGENII AVERAGE		260,047	2,495,469	286,998	925,596	2,614.	10,560	116.01	100,645	351,622	10,611,061	1,712,212	1,865,994	5.07



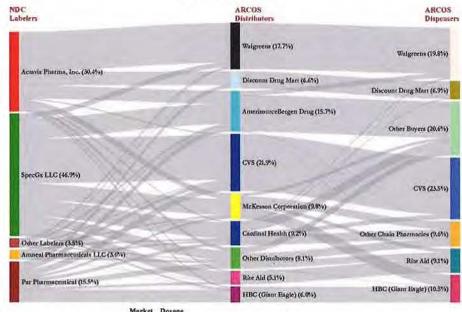


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Appendix F Opioid Flows

## Hydrocodone Distribution into Cuyahoga, OH

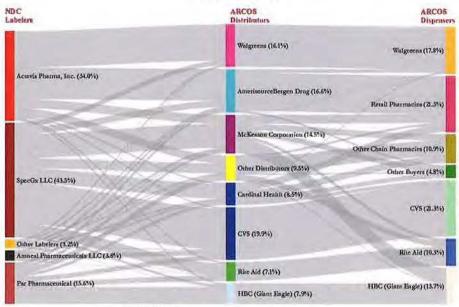
#### ARCOS data 2006-2014



	Market Share	Dosage Units
Other Labelets include		
AbbVie Inc.	1 30%	2,199,300
Others with less than 1% market share	2.19%	3,702,382
Other Distributors include		
Wal-Mart	2.74%	4,632,900
Eckerd Corporation	2.57%	4,343,710
Others with less than 1% market share	2.77%	4,684,474
Other Buyers include		
Closed Door	8.73%	14,773,967
Retail Pharmacy	6.94%	11,744,840
Hospital	4.45%	7,534,762
Practitioner	0.45%	763,975
Mail Order	0.03%	50,450
Researchers/Analytical Labs	0.00%	1,100
Other Chain Pharmacies include		
Marc's	4.92%	8,324,210
Wal-Mart	2.87%	4,859,810
Target Stores	1.05%	1,778,980
Kmart	0.45%	768,210
Costco	0.24%	408,800
Tops Markets	0.11%	184,600

## Hydrocodone Distribution into Summit, OH

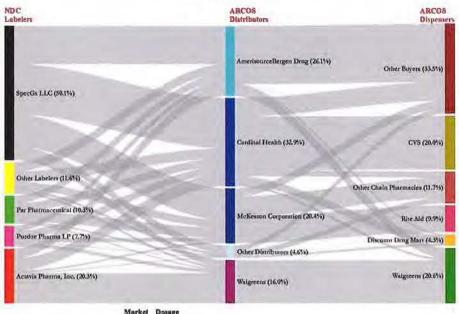
#### ARCOS data 2006-2014



	Market Share	Dosage Units
Other Labelers include		
AbbVie Inc.	1.22%	1,384,000
Others with less than 1% market share	1.97%	2,231,291
Other Distributors include		
Discount Drug Mart	2.88%	3,260,110
Wal-Mart	2.79%	3,148,700
Bekerd Corporation	2.00%	2,263,820
Others with less than 1% market share	1.79%	2,022,365
Other Buyers include		
Hospital	3.45%	3,893,099
Closed Door	0.84%	945,610
Mail Order	0.40%	453,270
Practitioner	0.17%	188,026
Other Chain Pharmacies include		
Marc's	4.04%	4,563,570
Discount Drug Mart	3.00%	3,386,760
Wal-Mart	2.89%	3,268,500
Target Stores	0.81%	916,280
Tops Markets	0.08%	92,100
Kmart	0.07%	82,200

## Oxycodone Distribution into Cuyahoga, OH

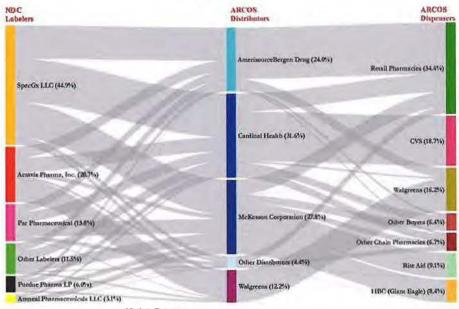
#### ARCOS data 2006-2014



	Market Share	Dosage Volts
Other Labelers include		
KVK-Tech, Inc.	2.23%	4,883,000
Amneal Pharmaceuticals LLC	2.19%	4,793,200
West-Ward Pharmaceuticals Corp.	1.29%	2,837,300
Endo Pharmaceuticals, Inc.	1.17%	2,575,200
Others with less than 1% market share	4.76%	10,448,239
Other Distributors include		
Wal-Mart	1.86%	4,070,600
Prescription Supply Inc	1.04%	2,285,100
Others with less than 1% market share	1.71%	3,741,512
Other Buyers Include		
Hospital	14.30%	31,378,058
Retail Pharmacy	11.69%	25,643,580
Closed Door	7.51%	16,469,040
Mail Order	0.04%	94,350
Practitioner	0.00%	6,400
Researchers/Analytical Labs	0.00%	194
Other Chain Pharmacies include		
HBC (Giam Eagle)	5.25%	11,507,320
Marc's	3.20%	7,016,800
Wal-Mart	1.91%	4,191,600
Target Stores	0.71%	1,549,820
Kmart	0.34%	740,800
Costeo	0.21%	459,500
Tops Markets	0.13%	282,100

## Oxycodone Distribution into Summit, OH

## ARCOS data 2086-2014



	Market Share	Dosage
Other Labelers include		
KVK-Tech, Inc.	2.85%	3,394,200
Endo Pharmaceuticals, Inc.	1.60%	1,903,400
Mylan Pharmaceuticals, Inc.	1.29%	1,534,000
Teva Pharmaceuticals USA, Inc.	1.12%	1,336,297
Others with less than 1% market share	4.68%	5,573,634
Other Distributors Include		
Miami-Luken	1.79%	2,133,400
Wal-Mart	1.54%	1,827,700
Others with less than 1% market share	1.03%	1,228,131
Other Buyers include		
Hospital	4.45%	5,294,115
Closed Door	1.68%	2,003,340
Mail Order	0.32%	376,100
Practitioner	0,00%	3,501
Other Chain Pharmacies include		
Marc's	2.49%	2,961,820
Discount Drug Mart	1.97%	2,350,500
Wal-Mart	1.58%	1,881,000
Target Stores	0.60%	719,820
Tops Markets	0.07%	87,200
Kmart	0.03%	32,200